Mayank Gupta

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Targeting assignments in **Product Development, Artificial Intelligence & Software Development** with an organization of repute in **IT industry**.

I have more than 7+ years of experience participating in and leading complete product development lifecycle of successfully launched applications. Delivered solutions in Full stack, Data visualization/analysis and Machine Learning.

PROFILE SUMMARY

- Software engineer with 4+ years of managerial experience and 5+ years of development experience in software applications based on Artificial Intelligence (AI) and Web.
- Participated in various phases of **SDLC** right from client discussions, requirement analysis, effort estimation, coding, and testing.
- Proficient in **design and development of software applications E2E**.
- Proficient in widely used **Machine learning and data analysis technologies**.

WORK EXPERIENCE

Technical Project Manager
Propark Mobility
07/2023 – Present   *Remote*

- Leading the project by converting business requirements to technical requirements.
- Managing team by creating and assigning tasks and driving sprints as SCRUM master.
- Developing new features and enhancing existing system along with fixing bugs.
- Designed and developed infrastructure to support custom graph data structure to access and log connected data.
- Automating call centre operations via LLM agents

   Technologies used: Google Cloud, Kubernetes, NextJs, ReactJs, NodeJS, Firebase, MySQL, OpenAI APIs, Jupyter, Python

Senior Software Engineer (Machine Learning)
Shoptrue
11/2022 – 07/2023   *Remote*

- Developing recommendation service based on fixed style personas in Scala.
- Integrated third-party product catalog providers in backend systems using TDD.
- Designed and developed data transformation pipelines using spark and airflow

   Technologies used: Google Cloud, Kubernetes, Cloud Composer, Scala, Python, GraphQL, PostgreSQL, BigQuery, Akka, Akka-http, Elasticsearch, Apache spark, airflow

Manager
CGInfinity
03/2022 – 10/2022   *Greater Noida, India*

- Managed team tasks, assigned tasks in JIRA board, and guided the team to accomplish their tasks.
- Owned SOW for Rental Homes Listing project, from gathering business requirements to delivering the project using NodeJS and Angular.
- Designed technical workflows, PowerBI reports, and data transformation workflows in Azure Synapse.
- Derived technical requirements from business requirements, designed architecture, and analyzed mitigation techniques for worst-case scenarios.
- Communicated with clients regarding project updates and requirements.
- Designed python data transformation flows to save data in Azure Datalake and update MySQL tables.

   Technologies used: Azure devops, Azure pipelines, Python, Selenium, MySQL, Azure SQL, Azure Synapse (with both dedicated and serverless pools), JIRA, Confluent, PowerBI, DAX, NodeJS, MySQL, Angular

Tech Lead
CGInfinity
04/2021 – 02/2022   *Greater Noida, India*
- Steered pricing project using ML to predict rent prices, resulting in a $1M revenue increase; designed architecture, developed E2E system, and supported the team during tight deadlines.
- Managed CI/CD and data pipelines for Warehouse and Mart.
- Overseen 16 microservices on Azure Cloud across PROD and QA environments.

   Technologies used: Azure devops, Azure pipelines, Docker, Python, Selenium, Angular, NodeJS, MySQL, Azure SQL, Azure Synapse (with both dedicated and serverless pools), Azure function apps, Azure app services, CGIgnite (Based on NodeRED), Machine Learning

Senior Software Engineer
CGInfinity
04/2020 – 03/2021   *Noida, India*
- Developed data ingestion services in Azure function apps and CGIgnite.
- Led a team to improve UX, saving clients $700K/year and reducing reliance on third-party vendors.
- Managed 10 microservices on Azure Cloud, including QA/PROD environments, and designed a custom CMS.
- Enhanced React.js dashboard for MLM corporations with editable org-chart API integration.
- Deployed Docker services on Google Cloud Platform's Kubernetes cluster, including Java, Python, and NestJS services.

   Technologies used: Azure devops, Azure pipelines, NestJS (Framework based on NodeJS), MySQL, Azure function apps, Azure app services, CGIgnite (Based on NodeRED), ReactJS, Python, Linux deployments, Machine Learning, NPM packaging, GCP, Kubernetes, Docker, NATS MQ

Software Engineer
CGInfinity
01/2018 – 03/2020   *Noida, India*
- Developed data preparation and ML services for a web-based analytics platform with 8 microservices, contributing to $3M in new business.
- Enhanced Angular 8 dashboard with analytical slicing and custom widgets using D3.js.
- Improved filter API functionalities in Node.js and supported Energy Domain Email campaigns in .NET and Exacttarget.

- Addressed bugs and enhancements in web applications, VSTO Excel plugin, and AI scripts for Customer Churn insights.

  Technologies used: Python, Flask, MongoDB, Angular, NodeJS, Exacttarget (Salesforce Marketing Cloud), .NET Framework, VSTO plugins, Windows deployments (IIS), Linux deployments (nginx), AWS EC2, AWS S3, Machine Learning, Deep Learning, D3.js

Software developer
Specta
09/2017 – 12/2017   *Gr. Noida*
- Developed Web APIs related to GeoLocation of custom IOT devices

  Technologies used: NodeJS, MySQL

Software developer for CCExtractor
Google Summer of Code 2017
05/2017 – 08/2017   *Remote*
- Developed multi-platform GUI using **Nuklear** Library in C
- Wrote **Autotools** scripts to automate the build procedure
- URL for pull request: https://github.com/CCExtractor/ccextractor/pull/794

  Technologies used: Autotools, C, Nuklear Library, Bash

Development Lead
Smart India Hackathon 2017, final round
04/2017   *Jaipur, India*
- Upgraded StartUp India Android application.
- Redesigned UI, refurbished UX and fixed bugs.
- Project url: https://github.com/hackathonDND/StartupIndia

  Technologies used: Java, Android development

Major Contributions

LibreOffice (changes at gerrit.libreoffice.org)
- Fixed build issue caused due dedicated graphics on Laptop computers (Windows). Change **#23144**
- Added Oval shape transition variant and Oval (vertical) animation in LibreOffice Impress. Change **#23510**

  Technologies used: C++, Autotools

CCExtractor
- Wrote **Deb, Tar, Rpm package** creation scripts for Linux and **Autotools** scripts to generate Makekfile(s).
- Added OCR/Burned subs extraction support for Mac.
- Commits: https://github.com/CCExtractor/CCExtractor/commits?author=techfreakworm

  Technologies used: Autotools, Hackintosh setup, Linux packaging, Bash

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Projects

Face Recognition (using Tensorflow.js)
- **Multi-face face-recognition** with on-browser training.
- See live: https://mayankgupta.in/face-recognition-tensorlow.js/

    Technologies used: Vanilla JS, Tensorflow.js, NodeJS, Heroku, HTML/CSS

Sentiment Analysis of IMDB Movie Reviews
- Realtime comparison between different algorithms.
- See live: https://mayankgupta.in/MovieReview-SentimentAnalysis/

    Technologies used: Vanilla JS, Tensorflow.js, HTML/CSS

Quiz Master
- Angular JS and .NET app to hold Quiz events
- https://github.com/techfreakworm/QuizMaster

    Technologies used: .NET Framework, AngularJS, MSSQL

Alchem
- Inventory and account management system for pharmaceutical shops in JavaFX.
- https://github.com/alchemsynergy/Alchem-Desktop

    Technologies used: Java, JavaFX, PostgreSQL

Education

- **MS in Financial Engineering** from Worldquant University, 2020-2022.
- **B. Tech in Computer Science** from Delhi Technical Campus (affiliated to GGSIPU), 2014-2018.