

Manoj Kumar Eede

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Skills

Languages: C++, Java, Python, JavaScript, SQL

Technologies & Tools: Azure, Kubernetes, Docker, Splunk, Spring, SpringBoot, Flask, ReactJS, MySQL

Work Experience

Adobe, Noida

Sept 2024 - Present

Member of Technical Staff

- **Led end-to-end** development of a PDF-to-Markdown API, encompassing a **Python**-based processing engine, throttling mechanisms, and a **React**-based frontend, adhering robust design principles; **positioned to transform AI workflows**.
- Driving external rollout and monetization of the PDF-to-Markdown solution as a **Java Spring REST API** and multi-language SDKs (**Java, Python, .NET, Node.js**), with an estimated **ARR of \$1M** in the initial phase.
- Took full ownership and delivered major enhancements to Adobe's **DocGen API** and internal **Java libraries**, enabling **300K+ monthly transactions** across enterprise customers.
- Built a **GenAI Financial Assistant** for Financial Documents, architecting end-to-end AI workflows for extracting and analyzing insights from complex financial documents.
- **Tech Stack:** Java, Python, ReactJS, ArgoCD, Kubernetes, Docker

Asper.ai, Bangalore

June 2024 - Sept 2024

Data Scientist

- **Led end-to-end** client engagement for a '**\$3M**' contract with a leading US-based CPG company (1,000+ SKUs)—from EDA to **forecasting algorithm design** & RCA post-production; increased inline demand planning accuracy over '**10%**'.
- Enhanced the Dynamic Demand Forecasting Engine of Asper.ai to improve CPG customers' planning systems, enabling more precise and granular demand forecasting.
- Designed and implemented **scalable ML system design frameworks** to improve efficiency and model deployment.
- **Tech Stack:** Python, Tensorflow, Scikit-learn, Azure, Kubernetes

Adobe Research Lab, Bangalore

May 2023 - July 2023

Research Intern

- Applied LLMs for '**Controlled and Grounded Text Generation**' to enhance reviewer efficiency.
- Developed an '**Automated Commenting Pipeline**' using **Advanced NLP & Embedding methods**; benchmarked against pre-trained & fine-tuned baselines, achieving '**>15%**' higher accuracy on our curated NLPeer data. Finally integrated it into the Adobe's GenAI framework.
- **Tech Stack:** Python, Flask, ReactJS, Flask

Education

IIT Roorkee

July 2019 - May 2024

Integrated Masters in Mathematics and Computing (Applied Mathematics)

CGPA: 8.78/10

Relevant Coursework: Object Oriented Programming, Database Management System, Data Structures and Algorithms, Operating Systems, Discrete Mathematics, Graph Theory, Digital Image Processing, Non Linear Programming

Project Work

- **A Soft Computing Approach to Find Hardware Reliability (2022):** Developed a novel model to assess k-to-r out of n hardware system reliability by adapting the Universal Generating Function (UGF) method. Enhanced cost-efficient reliability optimization by extending a Non-Linear Programming (NLP) algorithm and solving it with Genetic Algorithms (Roulette Wheel Selection, Swap Mutation, Crossover). Improved scalability and fault tolerance through soft computing integration. **Tech Stack:** Python, Matlab, Genetic Algorithms.

Awards and Scholarships

- **SPOT Award from Adobe:** Received the Spot Award from Adobe for exceptional performance.
- **INSPIRE Scholarship from DST, MHRD:** Received scholarship for academic excellence and pursuing pure science under inspire scheme of DST, MHRD. (Top <1% All Over India)
- **Max Ratings Achieved:** Codeforces- **1663** | **Expert** (Handle: codehacker4689), Leetcode- **2047** (Handle: 19312009)

Courses and Certifications

- [AI Agents Certification on Hugging Face](#)
- [Model Context Protocol Certification on Hugging Face](#)
- [Time Series Analysis, Forecasting, and Machine Learning Certification on Udemy](#)
- [Deep Learning Specialization on Udemy](#)
- [Machine Learning Regression Master Class in Python on Udemy](#)