







Uttam Kumar

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WORK EXPERIENCE

- Tata Consultancy Services** February 2025 – Present
Full Stack Developer (Microsoft Account) *Full-time, Pune*
 - EDA Forecast Tool – Change Log Feature:** Implemented a row-level modification tracking system in the EDA Forecast Tool using ReactJS (TypeScript) and MUI Drawer, enabling admins to view edit history per record and improving traceability by 40%. Extended the .NET Web API to support ID-based log retrieval, reducing data retrieval time.
 - EDA Forecast Tool – Database Enhancements:** Enhanced an existing **stored procedure** to include original and modified values in the set of results.
- Gruby** August 2024 – January 2025
Software Engineer *Full-time, Remote*
 - DLQ Operations Platform:** Developed a self-service tool using **ReactJS (TypeScript)** that allowed stakeholders to troubleshoot order messages across DLQs without external dependencies, increasing team efficiency by 30%.
 - Splunk Query Automation:** Integrated a new tab into the tool to streamline navigation of Splunk queries and enable automatic JSON record downloads prior to deletion.
- Atlassian** January 2024 – June 2024
Software Engineer Intern *Full-time, Bangalore*
 - Global Mobility – Data Automation:** Automated data extraction pipelines using **PySpark**, integrating sources from Workday and Excel (via S3 + Workato). Reduced manual tracking and processing time by 50%.
 - Office NPS – Survey Data Pipelines:** Engineered robust data pipelines for quarterly NPS survey dispatches utilizing Qualtrics API, incorporating sophisticated data shuffling and de-duplication logic.

PERSONAL PROJECTS

- MimicOS (August 2024 – 2025):** Engineered MimicOS, a browser-based CLI simulator utilizing NextJS, JWT, MongoDB, and CSS Modules, to replicate more than 15 beginner-friendly commands, facilitating interactive learning and helping new users learn basic shell usage.
- Movie Recommendation System (May 2023):** Developed a movie recommendation engine using Flask, integrating ML algorithms such as Naive Bayes, NLP, and cosine similarity to deliver personalized suggestions. Achieved 85% accuracy in recommendations.

EDUCATION

- Chandigarh University** Punjab, India
Bachelor of Engineering in Computer Science — *CGPA: 8.02* *August 2020 – July 2024*
- Khadimul Islam Inter College** Patna, India
Intermediate Education — *73.8%* *April 2018 – March 2020*

TECHNICAL SKILLS

Frontend: HTML, CSS, ReactJS, TypeScript, NextJS, Bootstrap, MUI
Backend: NodeJS, Express, Flask, Servlet, RAG, Lang-chain, Generative Ai
Programming Languages: Java, C++, C, JavaScript, Python
Databases: MongoDB, MySQL
Developer Tools: Postman, Docker, Git, Firebase, Heroku, Vercel, Databricks, Tableau
Coursework: Data Structures and Algorithms, DBMS, Computer Networks, Operating Systems

ACHIEVEMENTS AND COMMUNITIES

- Open Source:** Contributed to **Moja Global** and **Scikit-learn**, focusing on frontend enhancements and codebase improvements.
- Hackathons:** Runner-up among **6,100+ participants** in the **Cloud Native Hackathon**. Finalist (Top 100 out of 16,395) in **Spark Wars 3.0** by Celebal Technologies.