

Curriculum Vitae

Soumick Karmakar | [GitHub](#) | [LinkedIn](#) | [Email](#) | +917044069170

RELEVANT SKILLS

- **Programming languages:** Python, HTML, CSS, JavaScript, SQL, Git
- **Technical:** Flask, NPM, NodeJS, React(basics), ExpressJS, Numpy, Pandas, MongoDB, Unix, Dash, Plotly, GitHub, GitLab, GitLab CI/CD, Statistics (for Data Science), Machine Learning (Supervised & Unsupervised), LLM Prompting.

PROFESSIONAL EXPERIENCE:

AMGEN (Hyderabad)

Oct-2025-Present

[Senior Associate Software Engineer]

- Created an end-to-end application using Plotly Dash, enabling data visualization and insights.
 - Retrieved data from Databricks and processed it efficiently using Pandas for data transformation and analysis.
- Stack-> Python (Plotly, Dash, Pandas), CSS, GitLab, Posit Connect.

Accenture (Chennai)

Oct-2024-Oct-2025

[Packaged Application Developer Senior Analyst]

- Created interactive dashboards for the client using Plotly Dash, enabling data visualization and insights.
 - Retrieved data from Databricks and processed it efficiently using Pandas for data transformation and analysis.
 - Developed and automated a CI/CD pipeline using GitLab CI/CD, streamlining deployments from GitLab to Posit Connect.
 - Optimized dashboard performance by integrating AWS ElastiCache (Redis) for faster data retrieval.
- Stack-> Python (Plotly, Dash, Pandas), CSS, GitLab, GitLab CI/CD, AWS ElastiCache (Redis), Posit Connect.

Tata Consultancy Services (Kolkata)

Aug-2021-Sep-2024

[Systems Engineer]

- Designed and implemented a dashboard solution capable of extracting and visualizing Jira Software data through web scraping techniques.

Stack-> Python (Web Scraping), Dash

- Developed a comprehensive end-to-end application to retrieve data from client APIs and dynamically present it across multiple dashboards upon API calls.
- Implemented an aggregation pipeline to efficiently filter data from diverse collections and seamlessly direct it to other dashboards as needed.

Stack-> Python (Flask, Pandas), NodeJS, MongoDB, Jinja Template, CSS, GitHub.

- Collaborated on the NDM application, configuring nodes and adjusting configuration files to facilitate secure file transfers.

Stack-> Unix, NDM (IBM Connect:Direct).

PROJECTS:

Professional Projects:

- **Resource Management Dashboard (2025):** Developed interactive dashboards using **Plotly** and **Dash** for data visualization. Retrieved data from Databricks tables and processed and analyzed data using **Pandas**. Implementing caching techniques to enhance rendering performance using **AWS ElastiCache (Redis)**. Also designed and automated a **CI/CD** pipeline for seamless deployment to Posit Connect.
Technologies used: Plotly, Dash, Pandas, Python, GitLab CI/CD, AWS ElastiCache (Redis)
- **Client Jira Dashboard (2024):** Created a dashboard using **Dash** and **Python**, facilitating the retrieval of Jira Stories via reference IDs while providing graphical representations of the current status of all stories and logged-in hours of the assignees.
Technologies used: Python, Dash
- **Client Dashboard (2023):** Developed an application integrating with GitHub, utilizing **Node API**, **Flask API**, **Pandas**, and **MongoDB** to fulfill client requirements.
Technologies used: Python (Flask, Pandas), MongoDB, NodeJS, Jinja Template, CSS.
- **NDM Application (2022):** Assumed full responsibility and delivered comprehensive support for the **NDM** application by leveraging the third-party solution **IBM Connect:Direct** throughout the entire operational lifecycle.
Technology used: Unix

Academic and Personal Projects:

- *Diabetes Prediction using ML model (2025)*: Created a Gemini LLM-powered Order Automation Bot capable of processing users' orders.
Technologies used: Python, Google Gemini
- *Diabetes Prediction using ML model (2020)*: Spearheaded a team of 5 people that designed a Machine Learning model (Random Forest) that used simple measurable data like blood pressure, insulin, age, etc. to determine whether a person has diabetes.
Technologies used: Python, Pandas, Seaborn, Scikit-learn

ACADEMICS:

B. Tech, Applied Electronics And Instrumentation Engineering at Future Institute of Engineering And Management, Kolkata, (8.98/10.00 CGPA) 2017-2021

AWARDS AND RECOGNITION:

- Received Client appreciation for developing the interactive **Real Time Resourcing** dashboard.
- Received TCS Gems for Reports Automation using Excel Sheet and also received an award (2023) for scoring a T-Factor of 3.14