

SOUMEN PAL

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OBJECTIVE

Motivated fresher with foundational skills in software engineering, AI/ML, and full stack development, actively seeking full-time opportunities to apply and grow technical expertise in these domains.

EDUCATION

Bachelor of Computer Science & Engineering(AI & ML), Techno Main Salt Lake Expected 2026 Relevant Coursework: OOPS, OS, DBMS, and CN. **CGPA - 7.77**

SKILLS

Programming Languages	C++, C, Java, Python, JavaScript, HTML, CSS
Technical	SQL, Statistics, REST APIs, CI/CD, ETL, Data Visualization, Data Engineering, Machine Learning, Model Deployment, NLP
Frameworks/Libraries	MongoDB, TensorFlow, Pandas, Keras, scikit-learn
DevOps/Cloud	Docker, Kubernetes, Git, GitHub, GCP, AWS (S3, Athena, EC2), Power BI
Soft Skills	Communication, Problem Solving, Team Collaboration, Adaptability, Time Management

EXPERIENCE

Data Engineering Intern Jul 2024 – Sep 2024
AICTE EduSkills (AWS Academy) — Remote

- Automated ETL pipelines using AWS S3, Lambda, Glue, and Athena, reducing data processing time by 40%.
- Designed and implemented AWS Step Functions workflows for data validation, increasing pipeline reliability by 30%.
- Used Jira and Confluence to coordinate agile sprints, enhancing project delivery efficiency by 25%.

AI-ML Intern Apr 2024 – Jun 2024
AICTE EduSkills (Google for Developers) — Remote

- Developed classification models with TensorFlow and scikit-learn, improving accuracy by 15%.
- Created automated dashboards with Google BigQuery and Data Studio, cutting reporting time by 30%.
- Applied SMOTE and feature scaling techniques, boosting model F1-score by 12%.

PROJECTS

Traffic Congestion ML Model and Simulation

- Developed LSTM-based traffic prediction model with 92% accuracy and 30% faster runtime.
- Performed feature engineering and handled class imbalance.
- *Tech stack:* TensorFlow, Python, Pandas, Matplotlib.
- [GitHub Repo](#)

Pearl of the Indian Ocean Website

- Built responsive tourism website, improved accessibility and boosted performance (Lighthouse score 90+).
- *Tech stack:* Vue.js, JavaScript, Tailwind CSS, jQuery, ARIA, HTML5.

- [Live Link](#)

Airlines Seat Reservation System

- Built web app simulating flight boarding with 2 user roles, 10+ core functions including ticket booking, KYC, and QR code boarding passes.
- Enabled real-time check-in for 100+ passengers per flight; reduced boarding time by 20%.
- Collaborated in 6-member team; delivered project in 3 months.
- *Tech stack:* HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, XAMPP.
- [GitHub Repo](#)

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional [Certificate Link](#)
- AWS Academy Graduate - AWS Academy Cloud Foundations [Certificate Link](#)
- AWS Academy Graduate - AWS Academy Data Engineering [Certificate Link](#)
- Technology Job Simulation (Deloitte via Forage)

LANGUAGES

- Bengali: Native
- Hindi: Fluent
- English: Fluent