Debanik Dutta

Software Engineer | Full Stack Developer | Data Analyst

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SUMMARY

Computer Science and Engineering graduate and full stack developer with hands-on experience across React.js, Node.js, and enterprise development at Cognizant. Built end-to-end web applications with REST API integration, database design, and responsive UI, alongside project work in ML-based prediction and data interpretability. Comfortable moving between frontend, backend, and data-driven problem solving.

EDUCATION

Computer Science and Engineering (Bachelor of Technology) **Netaji Subhash Engineering College** 2022-2026
7.97 • Kolkata

Science (Indian School Certificate) **Ram Mohan Mission High School** 2021-2022
93.25% • Kolkata

EXPERIENCE

Intern Trainee (Chennai) **Cognizant Technology Solutions** February 2026 - May 2026

- Rated **Green** (highest of three tiers) in both evaluations, ranking among top performers in the training batch.
- Built **Expense Manager**, a React.js web application with hooks, state management, and REST API integration.
- Developed a Power Apps/Power Automate **Leave Management Platform** with automated approvals and HR workflows.
- Used Git and GenAI tools (GitHub Copilot, Claude) to accelerate development throughout training.

Graphic Design Intern (Remote) **Pixel Solution** August 2024 - October 2024

- Delivered 10+ marketing and web design projects using Canva, applying typography and layout principles across client-facing assets.
- Worked directly with clients and teams to translate requirements into design deliverables, including web design inputs.
- Retained existing foreign clients and independently secured 1–2 new projects, demonstrating design execution and client management.

PROJECTS

MediPredict - Medical Cost & Insurance Premium Prediction 2026

- Contributed to a dual-model predictive web application estimating insurance premiums and disease-specific medical costs, integrating ReactJS frontend with backend ML services.
- Conducted model research and evaluation, implementing SHAP-based explainability to surface interpretable, feature-level insights behind predictions.

Leave Management Platform 2026

- Developed an end-to-end Power Apps/Power Automate solution featuring automated mail approvals, multi-level HR approval workflows, and status tracking for enterprise leave management.
- Applied low-code automation practices to model real business approval logic across multiple stakeholder roles.

Premier League Moneyball Analysis - Data Analytics Project 2026

- Built an end-to-end data pipeline analyzing 15 seasons of Premier League transfer spending vs. performance (90 club-season observations) using Python, Pandas, and web scraping (BeautifulSoup).
- Engineered predictive features and trained/compared 4 regression models (Random Forest, XGBoost, Gradient Boosting, Linear Regression), finding historical performance outweighed spending as the strongest predictor of league points.

Job Portal Website 2025

- Built a full-stack job portal using ReactJS, TailwindCSS, MongoDB, ExpressJS, and NodeJS, covering listings, applications, and admin management.
- Implemented secure user authentication and database-backed admin features to streamline platform operations.

SKILLS

Development
JavaScript (ES6+), Python, Java, React.js, HTML5, CSS3, TailwindCSS, Node.js, Express.js, Django, MongoDB, Supabase

Data & Analysis
Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, XGBoost, Data Structures & Algorithms

Platforms & Tools
SharePoint, SPFx, Power Apps, Power Automate, Git, GitHub Copilot, Claude, Google Colab, Figma, Canva, Adobe Photoshop

CERTIFICATIONS

IBM Data Analyst Specialization December 2025
IBM

LANGUAGES

English
Proficient

Bengali
Native

Hindi
Professional