Atul Soam

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI, (IIITG)
B.Tech in Computer Science Engineering
Grad. May 2025 | CGPA: 7.38

ARMY PUBLIC SCHOOL, RANCHI
PCM with Computer Science
May 2020 | Cum Per: 93.6%

COURSEWORK

UNDERGRADUATE
Web 2.0 + 3.0
Data - Structures and Algorithms
Machine Learning
Artificial Intelligence
Object Oriented Programming
Mathematics I, II
R-DBMS
Operating System
Computer Security
Theory of Computation
Software Engineering
Computer Network

SKILLS

PROGRAMMING
Languages:
• Advanced: C++, JavaScript
• Intermediate: Python, Java, C
• Novice: Motoko, Shell Scripting

Tools:
• Git • Linux • Windows
• VS Code • MySQL
• Docker • AWS • GitHub

Tech Stack & Libraries:
• MERN Stack
• scikit-learn library of Python

EXTRAS

• Teaching
• Sports
• Reading Books

INTERNSHIP & PERSONAL PROJECTS

SRE/DEVOPS INTERN AT ALTERYX INC. | Terraform | GCP | AWS | Helm | Kubernetes | Argo CD | Docker | Slack API | DataDog
• Led cost optimization initiatives by integrating Terraform-managed scaling logic into CI/CD pipelines for Performance and Flexo environments across GCP and AWS.
• Architected automation to downscale databases and clusters during off-hours via Lambda/Event Scheduler or GCP equivalents, saving approx. **$7,000/month**.
• Enhanced Argo CD deployment health by resolving sync issues due to incorrect `sync-wave` annotations. Deployed composite Helm charts to uncover ordering bugs.
• Reduced application stabilization time by **5–10 minutes**, ensuring faster and more reliable rollouts. Slack bot integration enabled team-wide FYI notifications post-action.

INTERN IN THE IIT BHILAI ITF-SPONSORED PROJECT TITLED "SUSTAINABLE SMART PARKING FOR AIZWAL CITY." | Node.js | Express.js | MySQL | CSS | HTML | JavaScript | Auth | Cloud
• As a Project Intern at IIT Bhilai , I am developing a comprehensive smart parking solution for Aizwal City using the full MERN stack. This application offers real-time parking availability, automated booking and payment, and data analytics for optimized resource allocation, enhancing user convenience and promoting sustainable urban mobility □ →.

DEVELOPED A REAL-TIME VOTING APPLICATION WITH MERN STACK, FEATURING USER AUTHENTICATION AND DYNAMIC POLL CREATION. | JavaScript | Express.js | React.js | CSS | HTML | MongoDB
• Designed and developed a comprehensive voting application leveraging the MERN stack, providing users with a seamless experience to create, manage, and participate in polls. Implemented features such as user authentication with secure encryption, dynamic rendering of poll options with React.js, backend API endpoints for data management with Express.js, MongoDB integration for persistent storage, and real-time updates of voting results using WebSocket technology .

ACHIEVEMENTS

• Qualified for **ACM ICPC 2024 Regionals** (Team: Algo Primes)
• GOOGLE KICKSTART International Rank **1422nd**
• LeetCode **Top 2%** solved around **1000+ problems**, max contest rating **2,059**.
• Cleared **HACTOBERFEST**, a month-long celebration of open-source software, by making valuable contributions to various projects.

ACADEMICS

3rd in school in class XII examination 93.6

SPORTS

• Passionate about playing **Badminton** and **Chess** (Chess ELO: 1100+)