



Narahari Rohit Siva Shankar

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B.Tech - Maths and Computing

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Portfolio | LinkedIn

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	6.77 (Current)	2024-Present
Senior Secondary	Andhra Pradesh Board of Intermediate Education	93.4%	2024
Secondary	Andhra Pradesh State Board	84.83%	2022

EXPERIENCE

- CodeSmash** Jan 2026
Founder, CodeSmash GitHub
 - Developed **CodeSmash** (codesmash.in) — a full-stack competitive programming platform with a custom **Docker sandbox** executing Python, C++, Java, and JS in isolated containers, achieving **10× faster** batch judging; serving **500+ users**.
 - Engineered a **real-time 1v1 battle system** with private room codes, global leaderboard, and **Firestore** — backed by **Google OAuth** and **Admin SDK** for server-authoritative access control.
 - Built a **Monaco Editor** in-browser IDE with **400+ DSA problems**, hidden test-case suites, curated **learning roadmaps**, and a **student project showcase** with resources for developers.

PROJECTS

- Alcheringa Registration Portal** Jan 2026
Registration Portal 2026, Alcheringa, IITG GitHub
 - Built **registrations.alcheringa.co.in** — a full-stack **event registration portal** for Alcheringa, IIT Guwahati's flagship cultural fest, handling **10,000+** users with **Google OAuth**, **PostgreSQL**, and end-to-end deployment on production infrastructure.
 - Owned complete stack using **React.js + Django**, from UI development to server deployment.
- Fail Safe** Apr 2026
Personal Project Github
 - Built **FAILSAFE** — a full-stack **academic intelligence platform** predicting student failure risk using **XGBoost + SMOTE (85% recall)** on UCI Student Performance Dataset, with threshold-tuned classification to minimise missed at-risk students.
 - Engineered **SHAP TreeExplainer** for per-student waterfall plots and **auto-generated intervention plans**, backed by **FastAPI + React + JWT auth** with CSV batch ingestion for **200+ students** and real-time risk dashboard.

TECHNICAL SKILLS

- Programming:** C++, C, Python, JavaScript
- Web Technologies:** HTML, CSS, JavaScript, TypeScript
- Frameworks:** Reactjs, Nextjs, Node.js, Django, Tailwind CSS, GSAP
- Databases:** MySQL, Firebase
- Tools & DevOps:** Docker, Linux, VPS Deployment, Git, GitHub

KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Basic Calculus, Discrete Mathematics, Elementary Number Theory and Algebra, Probability Theory and Random Processes, Financial Engineering, Real Analysis, Complex Analysis
- Computer Science:** Introduction to Computing(Theory and Lab), Data Structures,Digital Design, Design and Analysis of Algorithms, Computer Organization and Architecture, Database Management Systems(Theory and Lab)

POSITIONS OF RESPONSIBILITY

- Web Developer**, Alcheringa, IIT Guwahati Jun 2025 - May 2026
 - Developed and maintained **3 full-stack production websites** for Alcheringa, IIT Guwahati's flagship cultural fest, serving **10,000+** active users across **alcheringa.co.in**, **registrations.alcheringa.co.in**, and **cards.alcheringa.co.in**, built end-to-end using **React.js**, **Next.js**, **Django**, and **Google OAuth**.

ACHIEVEMENTS & EXTRACURRICULARS

- Manthan**, Participated in Graffiti at Manthan'25, Cultural Board, IIT Guwahati . 2025
- Technothon**, served as the city representative and successfully organized an offline examination 2025
- JEE Advanced**, Secured a rank in **top 1%** among **0.18 million** students who appeared for the test. 2024