

Vineesh Gupta Uppala

Email: 21cs01041@iitbbs.ac.in

Mobile:(+91) 7893438412

IIT Bhubaneswar

Github

LinkedIn

EDUCATION

- **Indian Institute of Technology Bhubaneswar** Oct 2021 - Present
Bachelor of Technology in Computer Science CGPA: 8.08
- **Sri Chaitanya Junior College** May 2019 - Jul 2021
Board of Intermediate Education, A.P 97.7%
- **Sri Chaitanya Secondary School** Apr 2017 - Mar 2019
Board of Secondary Education, A.P CGPA: 10

EXPERIENCE

- **Samsung Prism** — (ML,Gen AI Intern) May 2024 - Present
 - Developing AI/ML systems to optimize energy use in Smart Homes, improving operational efficiency.
 - Engineered a recommendation engine using complex algorithms to suggest energy-saving actions tailored to individual user profiles, improving response in under 30 seconds.
- **HealpCare** — (Software Development Intern) June 2024 - July 2024
 - Implemented and tested secure API endpoints using FastAPI and Postman, improving OTP request and verification for various modules.
 - Collaborated with the team to integrate healthcare APIs, focusing on authentication, data linking, and enhancing API reliability and security.
- **Indian Institute of Technology Bhubaneswar** — (Blockchain) Aug 2024 - Present
B.Tech Project under the supervision of Dr. Padmalochan Bera
Tools: Solidity, Python, Ethereum, Web3.js
 - Currently developing secure key management protocols for Ethereum-based blockchain systems, focusing on cryptographic key generation, distribution, and storage.
 - Enhancing blockchain transaction integrity through advanced encryption techniques and Solidity-based smart contract implementations.

PROJECTS

- **TicketFlix : Movie Ticket Booking website** Web Development
Tech: MERN stack
 - Developed a scalable movie ticket booking platform utilizing MERN stack, with React.js for dynamic frontend interactions, Express.js for backend API integration, and MySQL for secure and efficient data handling.
- **Chatbot Song Recommender System** Machine Learning
Tech: TensorFlow, IBM Tone Analyzer API, Last.fm API, scikit-learn
 - Built AI-powered chatbot to recommend songs based on real-time sentiment analysis of user inputs.
 - Integrated IBM Tone Analyzer and Last.fm APIs, leveraging machine learning to dynamically suggest music, improving user experience through personalized song recommendations.

ACHIEVEMENTS & CERTIFICATIONS

- **Data Science Internship**
(certificate) — Received Internship certificate validating expertise and practical skills from Rinex Technologies.
- Solved more than 500 DSA problems on various platforms. (*GeeksForGeeks*) (*LeetCode*) (*Codechef*)
- Achieved leetcode badge, awarded to the top 6.9% of leetcoders.
- **Test Scores**
 - Secured an All India Rank **3188** in JEE-Advanced'21 among 1,50,000 candidates.
 - Secured ranks of **210, 252** in Telangana and A.P eamcets among 2,00,000 students.
 - Qualified for RMO-2018 by standing in **top 300** from A.P.

SKILLS

- **Languages/Libraries:** C/C++, Python, HTML, CSS, JavaScript, React.JS,Node.js
- **Operating Systems:** Windows, Linux
- **Framework/Libraries:** OpenCV,Pytorch,TensorFlow,Sklearn,Numpy,Pandas,Matplotlib,FastAPI
- **Others:** PL/SQL, Git, Github, MongoDB, MATLAB, Logisim,Auto-CAD,LTspice.

COURSEWORK

Operating Systems, Object-Oriented Programming, Data Structures and Algorithms, Database Systems, Computer Networks, Discrete Structures, Automata Theory,Machine Learning*,Compiler Design*

Positions of Responsibility

- Alumni Cell, IIT Bhubaneswar** (July 2023 - Present)
Asst.Co-ordinator of Events Team
- Wissenaire : The Annual Techno-management Fest, IIT Bhubaneswar** (July 2023 - March 2024)
Core Head, Publicity Team
- Souls for solace: Social welfare society, IIT Bhubaneswar** (July 2022 - Present)
Team member of the society