AYUSH SINGH

Undergraduate Computer Science and Engineering Student, Bihar, INDIA

Mob- 9341699570 ◇ mail.singh18ayush@gmail.com ◇ Bihar, India

OBJECTIVE

Dynamic Computer Science and Engineering student with notable internships and a tech-driven mindset. Utilizing technical proficiency, open-source contributions, and project acumen to excel. Committed to innovative problem-solving and positive collaboration, aiming to contribute effectively within a dynamic tech environment.

EDUCATION

Bachelors Of Technology (Computer Science Engineering), Bihar Engineering University **(Expected 2026)**
Relevant Coursework: Object Oriented Programming (OOP) • Data Structures • Algorithms • DBMS • Operating Systems • Artificial Intelligence • Software Engineering

SKILLS

Programming Languages	C, C++, Python, JavaScript, HTML,CSS
Technologies	Aritificial Intelligence, GUI Development
Libraries	Matplot, Numpy, Scikit-learn
Soft Skills	Leadership, Communication, TeamWork, Time Management, Creativity

EXPERIENCE

SDE Intern   June 2024 - July 2024
ELDAAS Technologies LLC   Remote, *Bengaluru IND*

- **Graphical User Interface for Radar System**
- Designed the Architecture of the GUI for a short Range RADAR using Python Flask, HTML, CSS, JavaScript, AJAX and Sockets..
- Integrated Google Maps API and plotted continuous target objects of RADAR live on the Google Map.
- **Skills** : • Python Flask • HTML5 • CSS • JavaScript • Google Maps APIs • AWS

Salesforce Internship   Dec 2023 - Jan 2024
Salesforce Developer   Remote, *Bengaluru IND*

- Gained hands-on experience with Salesforce fundamentals including CRM architecture, declarative tools, and data modeling.
- Implemented business automation using Process Builder, Flows, and Validation Rules.
- Simulated deployment of custom applications using Salesforce Lightning App Builder and schema configurations.
- **Skills** : • Apex • Visualforce • Lightning Web Components • Salesforce Object Query Language • REST • SOAP APIs

Frontend Developer   Jan 2023 - May 2023
VAGUSS   *Remote, Hyderabad IND*

- **Travel Blogging Web Application**
- Translated UI Design Wireframes to actual code for responsive single page applications (SPA).
- Built new user-facing features and reusable components in the Frontend framework using ReactJS and Redux and Context API for state management along with use of RESTful APIs.
- **Skills** : ReactJS • JSX • CSS • Redux • Context API • RESTful API

PROJECTS

CRYSTALINE — E-Commerce Jewellery Website (Try it here)

- **Designed a Visually Appealing Frontend:** Built an elegant, responsive UI using ReactJS and Tailwind CSS, tailored for showcasing premium jewelry products with high-quality visuals and intuitive navigation.
- **Implemented Secure and Scalable Backend:** Developed the backend using Node.js and Express.js, with MongoDB for database management. Integrated secure user authentication, product management, and order processing functionality.
- **Integrated Real-Time Features and Payment Gateway:** Enabled seamless user experience through live product search, cart updates, and real-time inventory status. Integrated Razorpay/Stripe for secure and reliable payment handling.
- **Enhanced Customer Engagement:** Added features like product reviews, wishlists, and personalized recommendations using JWT-based user sessions and dynamic filtering mechanisms.

DEVIN — Collaborative Code Editing Platform (Try it here)

Winner of Elan & nVision'23 IIT Hyderabad (Mar 2023)

- **Developed Real-Time Collaborative Code Editor:** Engineered a robust real-time code editor using ReactJS and CodeMirror, enabling simultaneous code editing by multiple users. Integrated live video and audio calls for seamless communication during collaborative coding sessions, enhancing teamwork and productivity.
- **Created Virtual Chamber for Teams:** Architected a virtual workspace within the platform using Node.js and Socket.IO, allowing users to create teams, invite members, and engage in effective communication through text, video, and audio channels. This feature streamlined collaborative efforts, facilitating efficient code sharing and discussions.
- **Enhanced User Experience with Innovative Features:** Implemented novel features like integrated blog sharing, personal task list management, and mood-boosting music integration using react-jinke-music-player. These additions not only enriched the platform's functionality but also contributed to fostering a dynamic and engaging coding environment.

TEXT2SPEECH — Offline Text To Speech (Try it here)

- **Developed Offline Text-to-Speech Converter:** Designed and built a robust offline application using HTML, CSS, and JS that converts written text into audible speech, enhancing accessibility and user experience.
- **Utilized Cross-Platform Web Technologies:** Leveraged the power of HTML, CSS, and JS to create a cross-platform solution that operates seamlessly across different devices and browsers, ensuring widespread accessibility.
- **Enhanced Accessibility and Inclusivity:** Created a user-friendly interface and functional system, empowering individuals with visual impairments or learning difficulties to convert written content into spoken words independently.

AWARDS

2024   Winner at state level cyber hackathon 'CYBER-TECH-HACKATHON'
2023   Winner in Webathon at Elan&nVision, IIT Hyderabad

LEADERSHIP

2025 - Present Student Coordinator at Training and Placement Cell, SIT Sitamarhi
2025 - Present Startup Coordinator at Institute Innovation Cell (IIC), SIT Sitamarhi
2024 - Present Council Member and Club Incharge at Coding Club, SIT Sitamarhi
April 2025 President and Core Organiser Team Member at SIT_TECH_KRITI
May 2023 Event Host and Core Organising Team Member at UDAAN-2023