Bhanu Pratap Singh

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in LinkedIn | ⭘ Github

EDUCATION

VIT Bhopal University — Bhopal, India
B.Tech Computer Science & Engineering — 2022 – 2026
CGPA:8.29/10.0

M.L.D Public School — Saharanpur, Uttar Pradesh
CBSE 12th (2021): 82.20%

Pine Wood School — Saharanpur, Uttar Pradesh
CBSE 10th (2019): 88.80%

PROJECTS

Flight Scheduling Analysis System [AirRoute-Optimizer] | Python, Pandas, Scikit-learn, Matplotlib, Seaborn
(Link to Code)

- Developed a machine learning–based system to analyze flight delays and scheduling patterns on airline datasets.
- Performed data cleaning, preprocessing, and statistical analysis to uncover delay trends and busiest time slots.
- Automated generation of insights, recommendations, and CSV reports to support operational decision-making.
- Designed visualizations and dashboards to present key performance metrics and scheduling insights

ESTA - Real Estate Web Application | React.js, TailwindCSS, Node.js, MongoDB
(Link to Code)

- Built a fullstack real estate app with property listing, filtering, booking, and wishlist functionality.
- Integrated Mapbox for geo-search, image gallery, messaging system, and personalized user dashboard.

EcoExportSuite | HTML, CSS, JavaScript, APIs (Shippo, Gemini, Leaflet.js)
(Link to Code)

- Developed a responsive web app to streamline cross-border exports for SMBs using JS and third-party APIs.
- Integrated real-time shipment tracking, rate comparator, document validator, and chatbot support.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, SQL, HTML, CSS
Libraries: React.js, Node.js, Express.js, MongoDB, Bootstrap, jQuery
Developer Tools: VS Code, Unix/Linux, REST API, Git, GitHub, MySQL, MongoDB
Technical Electives: Data Sturcutre and Algorithms, Operating Systems, Object-Oriented Programming, Computer Networks, Fundamentals of Database Management Systems, Fundamental of AI and ML, Machine Learning, Human Computer Interaction, Theory of Computation and Compiler Design

ACHIEVEMENTS

Deloitte Data Analytics Job Simulation – Forage (Jun 2025): Analyzed telemetry data in Tableau and investigated pay patterns using Excel in a virtual case study. [Certificate]
BlockDAG Hackathon 2025 (Jul 2025): Advanced to Round 2 with Zentry, a decentralized wallet system addressing scalability and privacy.
Amazon Smbhav Hackathon (Nov 2024): Built EcoExportSuite, an AI-powered export management platform. [Link]
Smart India Hackathon (Sept 2024): Built EcoExportSuite, an AI-powered export management platform.

CERTIFICATIONS

MERN Stack Development Certification: Completed a comprehensive MERN Stack Development Certification [Certificate]
Full Stack Developer Bootcamp: Master Frontend to Backend. [Certificate]
AWS Solutions Architect – Associate: Certified AWS Solutions Architect – Associate. [Certificate]
NPTEL Cloud Computing: Completed NPTEL Cloud Computing, a 12-week online course by IIT Kharagpur. [Certificate]