

AKSHAT VASSRA

B.Tech CSE/AIML | Full Stack Developer & AI/ML Enthusiast

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PROFESSIONAL SUMMARY

Results-driven B.Tech CSE/AIML student (CGPA: 8.2) with hands-on experience in full-stack web development, machine learning, and AI-powered systems. Proficient in MERN stack, Python-based ML frameworks, and data analytics. Proven track record of building scalable applications at national-level hackathons (SIH 2024 & 2025). Seeking internship opportunities in software development, AI/ML, or data science to apply academic knowledge and practical skills in a professional environment.

EDUCATION

B.Tech – Computer Science & Engineering (AIML)

Aug 2023 – Present

Dronacharya College of Engineering, Gurugram | CGPA: 8.2 / 10.0

Class XII – Science (PCM + CS) | 82% Class X – 85%

RPS International School, Sec 89

WORK EXPERIENCE

Frontend Developer Intern | Tech Wizard IT and Infra Pvt. Ltd.

Jun 2025 – Jul 2025

- Built and optimized responsive web pages using HTML5, CSS3, JavaScript (ES6+), and React.js, improving UI rendering performance by debugging and refactoring existing front-end modules.
- Collaborated in an Agile team of 5+ developers to convert UI/UX wireframes into pixel-perfect, fully responsive web components, accelerating delivery timelines.
- Integrated Node.js back-end APIs with React front-end components, gaining end-to-end MERN stack development experience.

Tech Stack: React.js, Node.js, JavaScript, HTML5, CSS3, Git

PROJECTS

FRA Digital Integration & DSS System – AI-Powered FRA Atlas | React.js, Python, WebGIS, Leaflet.js, ML

SIH 2025

🔗 Live Demo: forestt-act-project.vercel.app

- Developed an AI-powered WebGIS-based Decision Support System (DSS) for real-time monitoring of Forest Rights Act (FRA) implementation across multiple Indian states.
- Integrated geospatial data layers, ML classification models, and interactive dashboards to aid policymakers in data-driven decision making.

POWERGRID – Project Cost & Timeline Predictor | Python, ML, Pandas, Scikit-learn, Dashboard

SIH 2025

- Designed and built a dashboard-based AI prototype to predict cost overruns and timeline delays in large-scale power transmission projects using regression and anomaly detection models.
- Processed structured project data with Pandas/NumPy; visualized predictions using Matplotlib and Seaborn for stakeholder reporting.

Strategic Interview Portal – Web-Based Applicant Selector | MERN Stack, REST APIs

SIH 2024

- Created a full-stack web platform for simulating and managing applicant selection workflows, featuring automated scoring, role-based access control, and real-time candidate tracking.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, C#, R, JavaScript

Web Development: HTML5, CSS3, JavaScript (ES6+), React.js, Node.js, Express.js, MongoDB (MERN Stack)

AI / ML & Data Science: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Jupyter Notebook

Tools & Platforms: Git, GitHub, VS Code, Visual Studio, Unity, Vercel, Postman

Soft Skills: Problem Solving, Team Collaboration, Agile Workflows, Effective Communication

CERTIFICATIONS & ACHIEVEMENTS

- Infosys Certified – Python Programming & Data Structures
- NPTEL Certified – Java Programming & Introduction to Machine Learning
- C Language Certification – IIT Bombay
- Introduction to Generative AI Studio – Google
- Multiple Udemy Certifications – Python, C#, R, C++ (Advanced Tracks)
- Participant – Smart India Hackathon (SIH) 2024 & 2025 – National Level