



AKSHAT JAIN

FULL STACK DEVELOPER | BUILDING SMART APPLICATIONS

Ambitious and collaborative final-year B.Tech (CSE) student with a strong foundation in full-stack development and data engineering. Known for clear communication, solution-oriented thinking and a commitment to quality and sustainability. Eager to contribute to Volvo's innovative, people-centered product culture and build scalable data solutions that drive real impact.

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WORK EXPERIENCE

AI/ML & Web Developer Intern - Inheritx Solutions

May 2025 - June 2025

- Engineered and optimized enterprise NLP pipelines, improving query success rate by 35%.
- Integrated APIs across frontend & backend, reducing response time by 40% and enhancing UX.
- Collaborated in Agile sprints to deploy features on production, ensuring timely client deliverables.

PROJECTS

RetainIQ – Employee Attrition Platform

[Next.js](#), [Tailwind CSS](#), [Supabase](#), [Flask](#), [Scikit-learn](#), [Python](#), [Azure Databricks](#)

- Designed and implemented a full-stack application using Next.js + Tailwind CSS frontend, Supabase for authentication/data, and Flask backend hosting a Random Forest model that predicts attrition risk. Reduced manual screening time by ~40%.
- Developed explainable-AI module (SHAP) and embedded a retention-assistant chatbot to provide actionable insights to HR users.
- Skills used: (data prep).

AiChef – Smart Recipe Planner (Top 10 Finalist, UiPath Hackathon)

[Azure Data Lake Storage](#), [Azure Data Factory](#), [Databricks](#), [PySpark](#), [React](#), [Node.js](#)

- Built a web application (React/Node.js) that uses PySpark on Azure Databricks to process uploaded ingredient images or text, segment users by preference, and recommend personalised recipes and grocery lists.
- Integrated Azure Data Factory to build ETL pipelines from image/text inputs into the data lake; implemented recommendation engine achieving 85% user satisfaction in internal testing.
- Skills used: .

TalentMatch – AI Recruitment Platform

[MongoDB](#), [Express.js](#), [React](#), [Node.js](#), [Mapbox](#), [Data visualization](#)

- Collaborated in a 5-member team during a GDSC Hackathon to develop MERN-stack food-donation app with geolocation, donation tracking and analytics dashboard. Received 'Best Social Impact' award.

EDUCATION

Kalinga Institute of Industrial Technology (KIIT) University Bhubaneswar, Odisha

Bachelor of Technology, Computer Science Engineering

CGPA: 8.38 | Graduation: 2026 (Expected)

Key Coursework: Data Structures & Algorithms, DBMS, OOP, Operating Systems, Software Engineering

TECHNICAL SKILLS

- Cloud & Data Engineering: Azure Data Lake Storage, Azure Data Factory, Azure Databricks, PySpark, SQL (PostgreSQL, MySQL), ETL pipelines, data modelling, big data processing.
- Web & Full Stack Development: Next.js, React, Node.js, Express.js, MongoDB, Supabase (Auth/DB), Tailwind CSS, REST APIs, Flask (for ML backend).
- Machine Learning & Analytics: Scikit-learn, Random Forest, unsupervised clustering (customer segmentation), explainable AI (SHAP).
- Tools & DevOps: Git, Docker, CI/CD, Agile (Scrum), JIRA, Postman.
- Soft Skills: Excellent English communication, presentation skills, strong problem-solving and hackathon experience.

CERTIFICATIONS & COMPETITIONS

[Link](#)

- Full-Stack Python Developer – AICTE Eduskills
- Full-Stack C# .NET – ExcelR | Microsoft Azure Fundamentals
- Finalist – UiPath AgentHack (AiChef, Top 10 India) | Participant – MIT Global AI Hackathon