

PUNIT KUMAR

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Summary

Data-driven Computer Science and Engineering student specializing in Artificial Intelligence and Data Engineering with expertise in Python Azure and machine learning. Built scalable data pipelines and predictive models achieving up to 30% efficiency gains and 90%+ model accuracy. Recognized as First Runner-Up in Microsoft Code Hunt and top 3% of university batch. Passionate about leveraging AI and big data to deliver impactful solutions.

Education

Lovely Professional University

Bachelor of Technology in Computer Science and Engineering, CGPA: 8.7/10

Aug 2023 – May 2027

Jalandhar, Punjab, India

St. Dominics Sr. Secondary School

Science Stream, 86%

Apr 2020 – Mar 2022

Mathura, Uttar Pradesh, India

Experience

FutureSense Technologies

Jun 2025 – Present

Data Engineer Intern

Remote

- Cleaned and transformed 5 marketing datasets totaling 500,000+ records, improving data quality for 10+ campaigns by 25%.
- Designed 8 interactive Power BI dashboards, reducing report creation time by 50% and enabling real-time insights for 15 stakeholders.
- Developed a Scikit-learn predictive sales model, achieving 85% forecast accuracy and supporting revenue decisions.

Projects

JobSyncPro: Intelligent Job Matching System 🐙

Jul 2025

Python, Flask, NLP (SpaCy, Scikit-learn)

- Engineered a job matching system using SpaCy and Scikit-learn, processing 10,000+ resumes and job descriptions with 90% alignment accuracy via cosine similarity.
- Designed an automated interview question generator, producing 50+ tailored questions per resume, reducing recruiter prep time by 60% and improving candidate fit by 20%.
- Built a user-friendly interface using Flask, HTML, and CSS, integrating REST APIs to handle 5+ resumes with 99.8% uptime.

AI-Powered Crop Yield Prediction System 🐙

Apr 2025

Python, Azure Data Lake Gen2, PySpark, Databricks, Gemini API

- Built an end-to-end data pipeline using Azure Data Lake and PySpark on Databricks, processing 2.5L+ datasets 30% faster and reducing costs by 15%.
- Trained XGBoost, Linear Regression, and Decision Tree models on 1,00,000+ agricultural records, achieving 88% yield prediction accuracy.
- Leveraged Gemini API to generate 20+ actionable reports weekly, enabling farmers to optimize crop yields by 10%.

Technical Skills

Languages: Java, Python, JavaScript, SQL

Frameworks: Flask, Pandas, Matplotlib, Seaborn

Cloud/DevOps: Azure, Git, CI/CD

Databases: MySQL, MongoDB

Tools: Power BI, Apache Spark, Scikit-learn, Databricks

Achievements

- Ranked 2nd among 150+ participants in Microsoft Achiever Club Code Hunt event solving 10 complex algorithmic problems in 3 hours using Python.
- Solved 200+ algorithmic challenges across 5 platforms (LeetCode, GFG, HackerRank, Codeforces, CodeChef)
- Earned GeeksForGeeks Certificate after completing 150+ questions and challenges.
- Obtained IBM Data Engineering Certificate through a 6-week course on big data pipelines.
- Ranked in top 3% of 10000+ students at Lovely Professional University for academic excellence in AI and Data Engineering.