

# AJAY BORA

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## PROFILE SUMMARY

Second-year B.Tech student specializing in Computer Science (AI/ML) with skills in Python, Java, C, and SQL. Experienced in building data pipelines and predictive models using Pandas, NumPy, and Scikit-Learn. Proficient in data visualization (Tableau) and seeking a Data Science role to apply analytical and modeling expertise.

## EXPERIENCE

### Data Science with AI/ML Intern

YBI Foundation | Jan 2025 – March 2025

- Developed a Weather Prediction Model using regression algorithms, achieving high accuracy on historical datasets.
- Engineered data pipelines with Pandas and NumPy to clean, preprocess, and normalize large-scale meteorological data.
- Conducted feature selection and utilized Scikit-Learn to optimize model training and reduce overfitting.

### Google Student Ambassador

Google | Aug 2025 – Jan 2026

- Created illustrations, logos, and social media templates for small businesses.
- Maintained consistent visual branding for online and offline promotional materials.
- Gained experience in client communication and design revisions.

## EDUCATION

### Bachelor of Technology in CSE (AI/ML) - 2024

Amrapali University – Haldwani | Graduation: 2028

## SKILLS

- Languages: Java, Python, C, SQL, HTML/CSS
- AI/ML & Data: Pandas, NumPy, Scikit-learn, Matplotlib
- Frameworks & Tools: Flask, MySQL, Git/GitHub, Docker, Jupyter Notebook, Tableau, Excel
- Core Concepts: Data Structures & Algorithms (DSA), OOP, DBMS, SDLC, Data Visualization, Rest APIs

## PROJECTS

### Weather Prediction Model

Jan 2025 - March 2025

- Technologies: Python, Scikit-Learn, Pandas, NumPy, Matplotlib
- Developed a predictive model to forecast weather conditions by analyzing patterns in historical climate data.

### Full Library Management System

Oct 2025 - Nov 2025

- Technologies: Python, Flask, MySQL, HTML/CSS
- Engineered a relational database schema to handle complex relationships between users, books, and transaction logs.

### Smart To-Do List Application

Nov 2025

- Technologies: Python, Flask, Jinja2, Bootstrap
- Created a dynamic task management web application featuring user authentication and session management. Deployed robust CRUD functionality allowing users to create, update, and categorize tasks in real-time.

### Personal Portfolio Website

Jan 2026

- Technologies: HTML5, CSS3, JavaScript, Git
- Designed a fully responsive portfolio to showcase technical projects, ensuring seamless navigation across devices. Optimized CSS and Vanilla JavaScript for fast rendering and cross-browser compatibility.

### Virtual Assistant (“Jarvis”)

April 2025

- Technologies: Python, SpeechRecognition, SMTP, REST APIs
- Engineered a voice-controlled assistant to automate system tasks, integrating SpeechRecognition and TTS engines.
- Implemented email automation via SMTP and third-party APIs to fetch real-time news and weather updates.

### Movie and Anime Recommendation System

May 2025

- Technologies: Python, Pandas, Scikit-Learn
- Developed a content-based recommendation engine using Python and Cosine Similarity to suggest movies and anime. Optimized the algorithm to process user preferences and deliver personalized suggestions efficiently.