

## AJINKYA WALUNJ

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[LinkedIn](#)

[Git-Hub](#)

### SKILLS

- **Languages:** Java (*Intermediate*), Python (*Beginner*), C language (*Intermediate*), R (*Beginner*), JavaScript (*Intermediate*).
- **Libraries:** React.js (*Beginner*), Node.js (*Beginner*), Scikit-Learn (*Intermediate*), TensorFlow (*Beginner*)
- **Tools:** Git - Version control.
- **Databases:** MySQL (*Intermediate*)
- **Others:** Data Structures and Algorithms, HTML, CSS, Natural Language Processing (NLP), DBMS, Operating System, Computer Network, Compiler Design, Artificial Intelligence, Data Science, Object Oriented Programming, Json Web token (JWT), RESTful APIs, Fine-tuning LLMs, Generative-AI,
- **Soft Skills:** Teamwork, Leadership, Communication, Presentation.

### PROJECT(S)

#### Data-Driven Traffic Analysis System for Pune Municipal Corporation (PMC)

[Source Code](#)

MongoDB, Express.js, React.js, Node.js, Google Maps API, Cloudinary, TensorFlow

Aug 24–Nov 24

- Developed a web-based portal to analyze and mitigate urban traffic issues by integrating real-time traffic insights with data on potholes, complaints, nearby institutions, events, festivals, and many more.
- Enabled citizen participation through road issue reporting verified via machine learning models.
- Reduced API response time by 80 seconds through batch filtering of route points.

#### HomeSeek – Productive Real Estate Marketplace | [Live Link](#)

[Source Code](#)

React.js, Node.js, MongoDB, Prisma, JWT

Jun 24–Aug 24

- Developed a full-stack web application for real estate listing and rental services, enabling users to browse, filter, and view detailed property information through an interactive map interface.
- Integrated JWT-based authentication and authorization for secure login and registration functionality.
- Designed and optimized the backend with Node.js, Express, and MongoDB, utilizing Prisma as an ORM for efficient database operations.
- Structured the system architecture to ensure efficient handling of protected routes using middleware.

#### J.P. Morgan Software Engineering Virtual Experience on Forage

[Certificate](#)

Open-Source Contribution, GIT, Python, React, Technical communication, JavaScript, Web application

Jun 24–July 24

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase’s open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

#### Cafe Management System

[Source Code](#)

Java, OOPs, JDBC, JFrame, MySQL

Oct 22–Dec 22

- Led the development of admin-side features, including UI design (JFrame) and backend logic.
- Developed and implemented a reusable database connection class and Data Access Objects (DAOs) for executing CRUD operations.
- Crafted SQL queries for all relevant operations, ensuring seamless integration with the system.

### EDUCATION

#### Vishwakarma Institute of Technology – B-Tech, Computer Engineering (CGPA - 8.87)

Present

Pune

### ACHIEVEMENT(S)

- Solved over 600+ problems across LeetCode and GeeksforGeeks, showcasing strong algorithm and data structure skills. [LeetCode](#) | [GFG](#)
- Awarded for outstanding contributions to the 'Translate Existing English Videos into Different Languages' project at Atlas Copco [Certificate](#)
- "Fishify: A Mobile-Based Fish Species Identification App with Transfer Learning Using MobileNetV1". Presented at SmartCom 2024 and subsequently Published by Springer. [Link](#)
- "Edu-lingo: A Unified NLP Video System with Comprehensive Multilingual Subtitles", published as research by IEEE in IEEE Xplore. [Link](#)

### EXTRA-CURRICULAR

- Volunteered 'Vatsalya' activity conducted by SW&D committee VIT Pune [Certificate](#)
  - This activity aims to connect with old age homes and have a joyful time with elderly.

Oct 22 – Nov 22