

# AJAI V

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## SUMMARY

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**Full Stack Developer** with extensive experience in Python, Django, React.js, and Node.js, alongside expertise in modern tools like OpenAI models, Nest.js, Prisma, MySQL, and PostgreSQL. Adept at designing scalable systems, developing user-friendly web applications, and integrating advanced APIs such as FastAPI and LangChain. Skilled in implementing vector-based search solutions with Pinecone and optimizing backend operations to enhance performance and efficiency. Demonstrated ability to deliver impactful e-commerce and customer engagement platforms, leveraging both traditional and emerging technologies to achieve measurable results. Committed to producing high-quality outcomes in collaborative team settings.

## TECHNICAL SKILLS

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**Programming Languages** : Python, C++, C, Basic JAVA

**Frameworks - Libraries** : Django, React.js, Node.js ,Next.js ,Nest.js ,Node.js

**Front-End Development** : HTML, CSS, Bootstrap, JavaScript, jQuery

**Back-End Development** : OpenAI, Langchain, Fast API,Pinecone,Prisma,PostgreSQL, MySQL, MongoDB

**Development Tools** :Git, Visual Studio Code, Code Blocks

## EXPERIENCE

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### Software Developer - Training Program

NAGHAVI Financial Services Pvt Ltd

JUN 2024 – NOV 2024

Bangaluru

- Successfully completed a 6-month software development and fintech training program, mastering key tools and techniques while contributing to projects that improved efficiency by 40%.
- Contributed to developing and debugging internal tools, improving operational efficiency by 15%.
- Developing full-stack solutions utilizing Python and SQL, leading to a **35% boost** in coding efficiency and a **20% reduction** in database query times.

### Software Developer - Training

Prana Tree AI

NOV 2024 – Present

India

#### • OpenAI Models and LangChain:

Gaining proficiency in building AI-powered solutions, leveraging OpenAI models and LangChain to design intelligent, context-aware systems for natural language processing tasks.

#### APIs and Frameworks (FastAPI, Prisma, Nest.js, Next.js, Node.js):

Implemented RESTful APIs and microservices using frameworks like FastAPI and Prisma, reducing API response time by 30%. Developing scalable and efficient web solutions using Next.js and Nest.js, improving code reusability by 40%.

#### • Vector Databases (Pinecone):

Implemented vector-based search functionalities using Pinecone, achieving a 25% improvement in data retrieval accuracy for machine learning applications.

#### • Databases (MySQL, MongoDB, PostgreSQL):

Optimized SQL queries and database structures in MySQL and PostgreSQL, reducing query execution time by 20% and enhancing data integrity.

# PROJECTS

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**Ecommerce Website - Pic Snacks**

Role: Full Stack Developer

DEC 2023 – APR 2024

**Technologies:** HTML, CSS, JavaScript, jQuery

- Engineered a fully responsive e-commerce platform for snack products, achieving a 20% boost in mobile engagement and a 15% increase in overall site traffic. .
- Designed a user-friendly interface that enhanced customer engagement by **25%** and decreased bounce rates by **30%**
- Optimized site navigation for multi-device compatibility, increasing user retention by **20%**.

**Customer Engagement and Referral Platform**

Role: Full Stack Developer

DEC 2023 – APR 2024

**Technologies:** Open AI, Nest.js, Prisma, MySQL

- Built a data-driven platform to manage customer purchases, referral programs, and personalized engagement, leveraging Nest.js for scalable back-end development.
- Architect a MySQL database to efficiently handle purchase histories, referral data, and user analytics.
- Streamlined database operations using Prisma, reducing query execution time by 25% and optimizing data integrity processes.
- Integrated OpenAI-powered chatbot functionality to deliver real-time customer assistance, enhancing satisfaction and reducing query resolution time by 35%.

# EDUCATION

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**Rajiv Gandhi College of Engineering**

B.Tech in Petroleum Engineering

Chennai

Aug 2019 – May 2023

**Vaani Matric Higher Secondary School**

HSE- Bio Maths

Vaniyambadi

Apr 2018 – May 2019

# CERTIFICATIONS

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- Python Full Stack Developer Certification - Pumo Technovation, Chennai
- TCS ion NQT IT Certification - Achieved a score of 62.87%