

Abhishek M Hiremath

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EDUCATION

- PES University**, Bengaluru, Karnataka *Expected May 2027*
B.Tech in Computer Science and Engineering
- KLS's Shri Vasantao Potdar Polytechnic**, Belagavi, Karnataka *Apr 2024*
Diploma in Computer Science and Engineering, **CGPA: 9.8**

EXPERIENCE

- Software Intern – Sharsell.ai**, Bengaluru, Karnataka (On-site) *Jun 2025 – Jul 2025*
- Designed and deployed **scalable backend services** using Python & Flask, improving API response times by **35%**.
 - Integrated **OpenAI APIs** for advanced conversational sales workflows, enhancing lead engagement by **40%**.
 - Implemented JWT-based authentication and **secure data handling practices** aligned with OWASP standards.
- Student Intern – Eyesec Cyber Security Solutions Pvt. Ltd.**, Belagavi, Karnataka (On-site) *Jan 2023 – Jul 2023*
- Built AI/ML pipelines for cybersecurity applications using Python, improving phishing detection accuracy to **94%**.
 - Developed TensorFlow-based classification models, achieving **15% faster training times** after data preprocessing optimization.
 - Contributed to **secure software development practices** and network security concepts.

PROJECTS

- DP & DPE Modules** – Python, OpenAI Assistants API, HTML/CSS *Jun 2025 – Jul 2025*
- Engineered automated HTML presentation & website generation using AI, reducing manual work by **90%**.
 - Implemented **multi-turn, context-aware** conversations with threaded polling for iterative refinement.
- Voice AI Assistant with LiveKit + RAG** – FastAPI, Pinecone, OpenAI *Jun 2025 – Jul 2025*
API, WebSockets, LiveKit
- Developed **real-time audio streaming** and RAG pipeline for conversational AI with latency under **500ms**.
 - Enabled **context retrieval** from Pinecone DB, boosting AI answer accuracy by **35%**.
- Brain Tumor Detection** – Python, TensorFlow/PyTorch, OpenCV *Feb 2024 – Apr 2024*
- Built deep learning model for MRI-based tumor classification with **96% accuracy**.
 - Developed Flask-based application for instant predictions within **1.5 seconds**.
- Chrome Extension – Phishing Detection** – JavaScript, Flask, ML *Mar 2023 – Jul 2023*
- Led final-year project to detect phishing websites; reduced false positives by **20%**.
 - Integrated Flask backend for real-time URL analysis.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, JavaScript, TypeScript, HTML/CSS, PHP
Frameworks: React, Next.js, Flask, FastAPI, Django, Streamlit, Bootstrap
AI/ML: TensorFlow, OpenAI API, LangChain, scikit-learn, XGBoost, OpenCV, PineconeDB, RAG
Databases: MySQL, PostgreSQL, MongoDB, SQLite
Tools: Git, Docker, VS Code, PyCharm, Eclipse, Android Studio
Other: Cybersecurity, VPN Development, TLS Encryption, Networking, Agile Practices