

# Bhumi Wayal

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## Education

Pune Institute of Computer Technology	2023-2027
Bachelor of Engineering in Artificial Intelligence And Data Science — CGPA: 9.55	
XII(HSC), Fr. Agnel Multipurpose School & Jr. College, Maharashtra State Board — 91.5%	2021-2023
X(SSC), Fr. Agnel Multipurpose School & Jr. College, Maharashtra State Board — 94.0%	2008-2021

## Experience

Project Intern at PICT CyberCell - <a href="#">GitHub</a>	Feb 2025 - May 2025
– Developed an AI-based zero-day vulnerability detection system with two main modules that focus on <b>static code analysis and behaviour analysis</b> respectively. The <b>first module</b> performs static code analysis on <b>Java, Python, and Js</b> codebases with a <b>custom-trained LLM</b> to detect security flaws.	
– The <b>second module</b> analyzes user behavior to detect vulnerabilities missed by code analysis, using an LLM for feature extraction and a deep neural network for <b>anomaly detection</b> .	

## Projects

ELSA: Emotional Support Chatbot - <a href="#">GitHub</a>	Jan 2025 - March 2025
<i>Technologies/Tools:</i> Python, TensorFlow, NLTK, Spacy, Flask, MySQL	
– Designed a multimodal AI chatbot supporting 3 input modes ( <b>text, voice, facial cues</b> ), <b>improving sentiment response accuracy</b> by leveraging RAG + FAISS pipeline	
– Integrated <b>Google Speech-to-Text</b> , facial emotion detection, and the <b>Groq LLM API</b> for empathetic replies.	

## Skills

- **Programming:** C++, Python, Java, HTML, CSS
- **Machine Learning:** SciKit-Learn, Pandas, Matplotlib, NLTK, TensorFlow, Spacy
- **Database:** MySQL
- **Core Subjects:** OOP, DBMS, DSA
- **Competitive Programming:** [CodeChef](#) contestant with max rating 1155

## Position of Responsibility

Marketing Head, PICT EDC	June 2025
– Led logistics & marketing for Magnate, a 3-day business event attracting 800+ participants and 5+ speakers; coordinated a 400+ participant gamified event (Squid Game) and managed PR for a 12-hour hackathon with 30+ teams.	

## Achievements

- 1st position - Web Weaver Hackathon - Credenz Fest, PISB Club - [GitHub](#) [Certificate](#)  
Created DefenceX, an AI tool to **detect scam calls** by **fine-tuning DistilBERT** on call transcripts. Integrated **Gemini API with prompt engineering** to explain results in simple terms.
- 2nd position - Startathon - Magnate Fest, EDC Club - [GitHub](#) [Certificate](#)  
Built LegalLens, an AI tool that **summarizes legal documents** and supports **multilingual search**. Used a **Locally hosted LLaMA-based model** to deliver concise, accessible legal insights from complex documents, used tools like OCR, PyMuPDF to handle scanned PDFs and legal text.

## Certifications

- Supervised Machine Learning (Regression and Classification): By Andrew Ng, DeepLearning.AI [Certificate](#)
- Advanced Learning Algorithms: By Andrew Ng, DeepLearning.AI [Certificate](#)