

# Bhumi Wayal

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## Education

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

## Experience

<b>Project Intern at PICT CyberCell - <a href="#">GitHub</a></b>	<b>Feb 2025 - May 2025</b>
<ul style="list-style-type: none"><li>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 codebases with a custom-trained LLM</b> to detect security flaws.</li><li>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>.</li></ul>	

## Projects

<b>ELSA: Emotional Support Chatbot - <a href="#">GitHub</a></b>	<b>Jan 2025 - March 2025</b>
<i>Technologies/Tools: Python, TensorFlow, NLTK, SpaCy, Flask, MySQL</i>	
<ul style="list-style-type: none"><li>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</li><li>Integrated <b>Google Speech-to-Text</b>, facial emotion detection, and the <b>Groq LLM API</b> for empathetic replies.</li></ul>	

## 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

<b>Marketing Head, PICT EDC</b>	<b>June 2025</b>
<ul style="list-style-type: none"><li>Led logistics &amp; 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.</li></ul>	

## 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](#)