

**Aditi Babar**

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## EDUCATION

**VIT Bhopal University – Bhopal, Madhya Pradesh**

**Bachelor of Technology in Computer Science (Minor: Health Informatics) | Expected July 2026**

- CGPA: 8.59/10

**Rajashri Shahu Mahavidyalaya – Latur, Maharashtra**

HSC | July 2021 | 93.3%

**Vivekananda Public School – Partur, Maharashtra**

CBSE | July 2019 | GPA: 9.8/10 (96.8%)

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## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++
  - **Development Tools:** Git, VS Code, Android Studio, Google Colab, Jupyter Notebook
  - **Web Development:** HTML, CSS, JavaScript, React.js, Flask
  - **Cloud & Big Data:** Exposure to **cloud technologies** and **data warehousing** concepts
  - **Machine Learning & AI:** TensorFlow, Keras, scikit-learn, MATLAB
  - **Databases:** MySQL, Oracle
  - **Software Development Practices:** Agile, CI/CD, Application Resiliency, Security
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## PROJECTS

**Phishing Website Detection System | Jan 2024 – May 2024**

- Developed a **Flask-based web application** for real-time phishing detection.
- Implemented **machine learning models** using supervised classification techniques.
- Designed an interactive **front-end** with HTML, CSS, and JavaScript.

**Fertility Support Prediction for PCOS | Dec 2023 – Jan 2024**

- Built a **Python-based SVM** classifier for personalized fertility predictions.
- Integrated **decision tree and nearest neighbor** algorithms for enhanced accuracy.
- Leveraged **local data patterns** for subgroup analysis.

**Breast Cancer Detection Using AlexNet | Aug 2023 – Nov 2023**

- Developed a **deep CNN model in MATLAB** with 5 convolutional layers.
  - Fine-tuned pre-trained **AlexNet** weights **for better classification accuracy**.
  - Replaced AlexNet's **final layer** to optimize it for specific datasets.
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## WORK EXPERIENCE

### FurnoExpress – Software Engineer Intern | Dec 2024 – Feb 2025

- Designed and improved **AI models** for business applications.
  - Worked on **data preprocessing, feature engineering**, and model training.
  - Collaborated with teams **to integrate AI solutions** into existing workflows.
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## EXTRACURRICULAR ACTIVITIES

- Solved **200+ problems on LeetCode**, improving problem-solving skills.
  - Participated in **hackathons**: AMEX Hackathon, Adobe Hackathon, Google Summer of Code (GSoC).
  - Organized and conducted **Advitya 2023 college fest**, promoting Marathi culture.
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## CERTIFICATIONS & TRAINING

- **Machine Learning** – 1Stop (2023)
  - **Web Development** – Google Certificate (HTML, CSS, JavaScript) by Johns Hopkins University (2023)
  - **Oracle Certification** – Databases for Developers: Foundations
  - **MATLAB Onramp Course** – MathWorks
  - **Kaggle Certification** – Intro to Python Programming
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## SOFT SKILLS

- **Problem-Solving | Teamwork | Communication | Project Management | Analytical Thinking**
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## LANGUAGES

- **English** – Fluent
- **Marathi** – Fluent
- **Hindi** – Fluent

