

AJINKYA ABHAY GOTHANKAR

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EDUCATION

University of California, Davis – Davis, CA
Master of Science in Computer Science

September 2024 – June 2026

International Institute of Information Technology, Pune – Pune, India
Bachelor of Engineering in Information Technology with Honours in Data Science
GPA: 9.05/10.0 | Class: Distinction

August 2018 - April 2022

TECHNICAL SKILLS

Languages & Framework: Python, Java, JavaScript, C, C++, HTML, CSS, React.js, Node.js

Databases, Tools & OS: MySQL, Oracle PL/SQL, MongoDB, Git, SOAP UI, Postman, Excel, Windows, Linux

PROFESSIONAL EXPERIENCE

Oracle Financial Services Software Limited – Associate Consultant

July 2022 – June 2024

- Created **15+ Java based APIs** for banking clients to manage customer and data exchange systems which resulted in **20% increase** in client satisfaction and operational efficiency. Collaborated with cross functional teams to ensure smooth integration with existing systems.
- Optimized over **100 complex PL/SQL** scripts to improve data processing time which contributed to **15% reduction** in query execution time and increased database efficiency which in turn led to faster and more reliable backend operations.
- Designed the user interface for **five banking modules** in Visual Basic focusing on consistency and usability to improve overall user experience. These changes brought about increased user engagement and satisfaction, highlighting the importance of UI in financial applications.

BharatSoft Limited – Consultant Intern

September 2021 – December 2021

- Developed a Python based application using OpenCV which enabled a facial gesture-controlled mouse for people with disabilities to navigate hands free.
- This solution used real time facial recognition and gesture tracking which resulted in **25% increase** in usability for clients with mobility issues.

WooChat.io – Frontend Intern

July 2021 – October 2021

- Created **10+ dynamic UI components** using React.js and Material UI for a WhatsApp Plugin. This yielded in **15% increase** in user adoption by making the UI more appealing and usable.

Verzeo/Microsoft – Web Development Intern

June 2020 – August 2020

- Designed and developed a website for an architecture and interior design firm which produced **30% increase** in online visibility by making the website more user friendly and portfolio visible to a broader audience.

PROJECTS

Extractive Text & Video Summarization

August 2021 – November 2021

- Constructed an NLP based extractive summarization algorithm in Python which **reduced text and video content by 50%** while keeping the context intact.
- The algorithm enables quick information retrieval and is ideal for summarizing long content in educational and corporate settings. It has been evaluated on real-world data.

Classification of Handwritten Devanagari Script

September 2021 - October 2021

- Built a convolutional neural network model with **95% accuracy** for Devanagari script classification using MNIST dataset.
- The model demonstrates potential for language processing and recognition and can be used in digital documentation and regional language support.

Scheduling-Algorithm-Comparer

September 2020 - October 2020

- Built a web app using Node.js and Express.js to compare scheduling algorithms which **reduced the analysis time by 20%**.
- The tool provided visualizations and performance metrics so that user can choose the algorithm based on task specific requirements which is useful for system design projects.

Online Hospital Management System

August 2020 – October 2020

- Engineered a full-fledged web application using Node.js, Express.js, HTML, CSS, JavaScript, and MySQL to manage daily operations of hospitals.
- The system allowed patient registration, appointment scheduling and staff management which gave **30% increase** in operational efficiency.