

PREETHI P PALANKAR

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Education

St.Philomena's College(Autonomous)

Master of Computer Application

Dec 2023 – Oct 2025

Mysore, Karnataka

JSS SMI UG and PG Studies

Bachelor of Computer Application

Sep 2020 – Oct 2023

Dharwad, Karnataka

Key Technical Courses

- Data Structures
- Database Management
- Operating System
- Object Oriented Programming
- Software Engineering
- Machine Learning
- Artificial Intelligence

Experience

rProcess Outsourcing Services Pvt. Ltd.

June 2025 – July 2025

Full Stack Developer Intern

Mysore, Karnataka

- Developed “rTrack” – a full-stack Enterprise Asset Management and Maintenance web application using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented secure authentication with JWT and role-based access control to enhance platform security.
- Built reusable React components for asset tracking, movement logging, and preventive maintenance scheduling.
- Integrated dynamic report generation with CSV and PDF export features for administrative use.
- Performed API testing using Postman and load testing using JMeter to ensure system reliability.
- Collaborated with team via GitHub for version control and deployed the application on the internal company server.

TechSaksham AI Internship – Edunet Foundation

May 2024 – June 2024

AI Intern (Microsoft and SAP Initiative)

Remote

- Completed a project-based internship focused on Python and AI fundamentals under the TechSaksham initiative.
- Worked on AI model building, API usage, and ethical AI practices through hands-on tasks and mentorship.

Projects

Eventify – Event Scheduling & RSVP Platform | React, Spring Boot, Tailwind, JavaMail

March 2025

- Designed and developed a full-stack application that lets users create events, send invites, and track RSVPs in real time.
- Built an interactive and mobile-responsive UI using React and Tailwind CSS to enhance user engagement and usability.
- Created scalable REST APIs using Spring Boot to manage event data, responses, and admin functionalities.
- Integrated JavaMailSender to automate email invitations and RSVP confirmations, improving communication efficiency.

AirNotate AI-Powered Air Writing Tool | Python, MediaPipe, OpenCV, Flask, SpeechRecognition

October 2020

- Designed an AI-based air-writing tool that lets users write or draw in the air using just hand gestures and a webcam.
- Utilized MediaPipe and OpenCV to detect and track hand landmarks in real-time, enabling accurate gesture capture.
- Built a virtual whiteboard using OpenCV to render gesture-based inputs as visual strokes without any physical touch.
- Integrated speech recognition to support voice commands for starting/stopping drawing and clearing the canvas.

Transaction Management GUI | Java, Eclipse, JavaFX

October 2020

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio

Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress

Leadership / Extracurricular

- Participated in **Dataviz**, a national-level data visualization competition at AIT Pune (April 2025).
- Won **1st place** in Collage Making at the Deplomat Event, De Paul College, Mandya (May 2024).
- Contributed as a **Decoration Team Member** for **SANKALP**, a national-level college fest.