ONKAR ANANT KHETRE
B.Tech. - Information Technology

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MIT | Academy of Engineering
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

BRIEF SUMMARY

My areas of interest are Cyber Security, Java Programming and competitive coding.

I am always eager to learn and improve myself. I have an attitude of never giving up until I finish something.

My English-speaking skill with a substantial vocabulary is quite useful in presentations and communication.

Having served as a Technical Lead at E-cell MITAOE, I've honed my analytical skills and cultivated a never-give-up attitude

With good communication, problem-solving and teamwork skills, I am ready to take on new challenges and make a positive impact in the workplace.

KEY EXPERTISE

Core Java | Java Swing | Cyber Security | Competitive Coding | Databases | MySQL | JavaMail | CPP
Desktop Publishing(DTP) | AWS IOT | JDBC | Python | Javascript | Communication Skills | Teamwork | Adaptability
Advanced Java | Spring Framework | Flask | Team Leadership | GUI | Internet of Things | Cryptography
Oracle Database | JSP | Eclipse

EDUCATION

MIT Academy of Engineering, Pune	2020 - 2024
B.Tech. - Information Technology	CGPA: **8.01 / 10**	

Sant Mai Junior College, Pune City	2020
12th	MSBSHSE	Percentage: **70 / 100**	

St. Anns School, Beed	2018
10th	CISCE	Percentage: **85.50 / 100**	

INTERNSHIPS

Result Software Private Limited | IT / Computers - Software   01 Jun, 2023 - 01 Aug, 2023
Backend Developer

Key Skills: Flask | Python | Postman

I was part of backend development team (Flask microframework). My contribution was to create Manager API for our project 'Automation in recruitment process'.

Cisco Networking Academy   15 Jan, 2023 - 15 Feb, 2023
CyberOps Associate Intern

Key Skills: Cyber-security | Cryptography

It was Virtual Internship in which we learnt about basics of Cyber security such as various encryption and decryption mechanism and key algorithms.

Juniper Networks   01 Jul, 2022 - 29 Sep, 2022

Key Skills: Networking

My Juniper Networks Virtual Internship provided me with practical experience in networking technologies and enhanced my technical skills.

PROJECTS

MIPL team bidding website
15 May, 2023 - 22 May, 2023

Team Size: 5

Key Skills: Spring Framework Java Web Development AWS services MySQL JSP

Project Link: http://ecell-ipl.ap-south-1.elasticbeanstalk.com/

A website was designed by our technical team of E-cell, mitaoe for an event of IPL auction.
This website was designed for ipl team bidding. I specifically handled database ,spring framework and AWS hosting for our project.
In AWS services I used elastic beanstalk, EC2 for hosting. Also Amazon RDS was used for database connection of project over cloud.

Health and saline level Monitoring System

Mentor: Dr. Rajeshwari Goudar | **Team Size:** 4

Key Skills: IOT C Programming Hardware AWS

Project Link: https://github.com/OnkarKhetre/saline-level-monitoring-system.git

In hospitals when saline level is finished and there nobody available to stop it then backflow of patient's blood can take place which may cause further complications. So to avoid this situation we designed Saline level monitoring system which would send alert message when saline level is below 30 percent and stop flow of saline when it reaches 10 percent. We are also monitoring person's health by adding oximeter to analyze patient's health through AWS and machine learning concepts.
The system employs a combination of sensor-based data acquisition, wireless communication, and intelligent data analysis to collect, process, and transmit health and saline level data to a central monitoring station. The data is then analyzed in real-time using sophisticated algorithms to detect anomalies, trends, and patterns, allowing healthcare providers to proactively intervene and provide timely medical care as needed.
This project allowed me to demonstrate my technical skills in sensor-based monitoring systems, AWS and database management, as well as my ability to work collaboratively with my team.
Our team is working on to get this project patented.

NGO Management System using NetBeans IDE (GUI and Programming) and Mysql Database

Mentor: Mrs. Ranjana Badre | **Team Size:** 1

Key Skills: NetBeans GUI Java Swing MySQL Database JDBC

After analyzing problems related to NGOs, few major problems were highlighted and based on those problems a GUI based application using Java Swing was designed by me in Netbeans.
MySQL database is used to store and manage data related to donors, volunteers, projects, fundraising activities, financial transactions, and other relevant information. It provides robust data storage capabilities, efficient data retrieval and manipulation operations, and ensures data integrity and security.
In this project, I have plans to incorporate a payment integration method in the future.
This project allowed me to showcase my skills in GUI design, programming, and database management and deliver a functional and efficient system to meet the needs of an NGO.

Real Estate Rental Web Application

Mentor: Mr. Krunal Pawar | **Team Size:** 4

Key Skills: MongoDB Javascript

As part of a team, I contributed to the development and implementation of a Real Estate Rental Web Application. This application streamlined the process of renting and managing properties, providing a convenient and efficient platform for property owners, property managers, and tenants to interact online.
I handled the nosql database (mongodb) i.e., backend. Also I had contributions in javascript coding.
This project showcased my technical skills in web development, database management, and problem-solving, as well as my ability to work collaboratively in a team environment.

Secure Text Transfer using RSA key algorithm

Mentor: Mr. Sandeep Shiravale | **Team Size:** 4

Key Skills: Cyber-security NetBeans JavaMail Java Swing JDBC

Project Link: https://github.com/OnkarKhetre/Secure-Text-Transfer-using-RSA.git

We implemented this project in domain cyber security. I made GUI using Java Swing in Netbeans IDE and implemented RSA key algorithm in backend. I integrated login page in it using JDBC connectivity with Mysql and used Javamail so that sender could sent encrypted message through email to receiver.
The project would involve implementing appropriate security measures, such as encryption and decryption of messages using the secret key, to ensure the confidentiality and integrity of the transferred text messages. Additionally, measures to protect against security threats such as man-in-the-middle attacks would be implemented to enhance the security of the communication.

Phoenix Virtual Assistant

Mentor: Mr. Sanjay Ghodake | **Team Size:** 4

Key Skills: Python Programming GUI Presentation Skills

The Phoenix Virtual Assistant was developed using relevant Python libraries and frameworks for speech recognition and other functionalities, and involved integration with external APIs or services for task automation. The project required coding, testing, and refining the virtual assistant's functionalities to ensure its accuracy, reliability, and usability. Its GUI was designed in QT designer. It could be used as a personal productivity tool, providing personalized assistance and streamlining daily tasks, or as a foundation for building more advanced virtual assistants with extended functionalities.

ACHIEVEMENTS

- Completed AI 900 exam conducted by microsoft
- "A++" Grade in Desktop Publishing (DTP)
- Completed Social Networks exam conducted by NPTEL

ASSESSMENTS / CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

Key Skills: Microsoft Azure

Social Networks

Key Skills: Social Network Analysis

CO-CURRICULAR ACTIVITIES

- Participation in various Coding competition conducted in college
- Technical lead in E-cell,mitaoe

EXTRA CURRICULAR ACTIVITIES

- Part of Kabaddi team during Nakshatra (College event)
- Part of Drama performed by SCET department during Nakshatra.

PERSONAL INTERESTS / HOBBIES

- Coding, Reading, Story Writing, Basketball, Cricket

WEB LINKS / IMs

- WhatsApp - 9075371782
- Codechef - https://www.codechef.com/users/onkar_9075
- Other - https://www.hackerrank.com/onkarkhetre4?hr_r=1
- Github - https://github.com/OnkarKhetre
- Github - https://github.com/OnkarKhetre/IPL-Team-Bidding-Website.git

PERSONAL DETAILS

Gender: Male
Marital Status: Single
Current Address: Block B Flat 1208, Venture city, near MITAOE, Alandi, Pune, Pune, Maharashtra, India - 412105

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Date of Birth: 29 May, 2002
Known Languages: English, Hindi, Marathi
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