



**SHASHANK**

Course : **B.Tech** Computer Science & Systems Engineering, 2024  
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**ACADEMIC DETAILS**

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	MALNAD ACADEMY PU COLLEGE	DEPARTMENT OF PRE-UNIVERSITY EDUCATION	80 %	2020
CLASS X	POORNACHANDRA PUBLIC SCHOOL	CBSE	66 %	2018

**SUMMER INTERNSHIP/ WORK EXPERIENCE**

**Python Developer Intern, VAYHAM TECHNOLOGIES PVT LTD (Swift Ride)****Jul 2023 - Present**

Title: **Python Developer Intern.** During the internship period, the Intern shall have the responsibility of performing the following duties:

- Assist in the development, testing and debugging of Python-based applications
- Collaborate with team members to understand project requirements and contribute to software solutions
- Write clean and efficient Python code following best practices and coding standards.
- Participate in code reviews and quality assurance activities
- Document code, including comments and user guides
- Collaborate with cross-functional teams for seamless integration of front-end and back-end functionalities
- Assist in database integration and data manipulation
- Learn and apply new Python development trends and technologies
- Deploy applications and familiarize with DevOps practices.
- Troubleshoot and solve technical challenges
- Communicate effectively with team members and stakeholders

**EXTRACURRICULAR ACTIVITIES**

**Playing, Participate in coding contest, Effective in collaborating with team**

- I have been an active participant in various extracurricular activities throughout my university journey. I have excelled as a Kabaddi player, representing the university team for the past two years. Additionally, I am a versatile athlete, proficient in shot put, discus throw, running (specifically the 400 meters), and relay races (4x100 meters).
- Apart from my athletic pursuits, I am also a skilled chess player, consistently demonstrating strategic thinking and analytical abilities. I have actively taken part in numerous hackathons, leveraging my problem-solving skills and collaborative spirit to contribute to innovative projects.
- My passion for coding has been recognized through my accomplishments in coding contests. I have emerged as a winner in both the e2ehiring and Amazon coding contests, showcasing my proficiency in algorithmic problem-solving and software development.
- To enhance my technical skills further, I participated in a cloud computing workshop, gaining practical experience and knowledge in this field. Additionally, I had the opportunity to work as a Python developer intern, where I contributed to real-world projects, collaborated with experienced professionals, and honed my programming skills.
- These extracurricular activities have not only enriched my university experience but have also fostered personal growth, teamwork, and a drive for continuous learning.

**AWARDS AND RECOGNITIONS**

<b>Programming for Everybody Getting Started with Python   University of Michigan</b>	<b>Jun 2022</b>
<b>Python for Data Science, AI &amp; Development (IBM)   IBM (Coursera)</b>	<b>Feb 2022</b>
<b>Introduction to Cloud Computing (IBM)   IBM (Coursera)</b>	<b>May 2022</b>
<b>SQL for Data Science   University of California, Davis</b>	<b>Jan 2023</b>
<b>Server-side Development with NodeJS, Express and MongoDB   Hong Kong University</b>	<b>Feb 2023</b>
<b>HTML, CSS, and JavaScript for Web Developers   Johns Hopkins University (Coursera)</b>	<b>Aug 2022</b>
<b>Mastering Data Analysis in Excel (DUKE university)   DUKE UNIVERSITY (Coursera)</b>	<b>Mar 2022</b>

PROJECTS	
<b>Swift Ride - Android App</b> <ul style="list-style-type: none"> <li>• Python Development The backend of the Swift Ride application is developed using Python programming language</li> <li>• Django Framework: It provides a convenient and secure way to handle routing, user authentication, database management, and administration</li> <li>• Flask Framework: Flask, a lightweight web framework, is utilized to create REST APIs and interact with the backend of the Swift Ride application. It enables seamless communication between the frontend GUI and the backend server.</li> <li>• REST API Development Swift Ride employs RESTful APIs to facilitate communication and data exchange between the frontend and backend. These APIs allow users to perform various operations such as registering, logging in, requesting rides, and managing user profiles</li> <li>• Django Admin Django's built-in admin interface is utilized for managing the application's database records. It provides an intuitive user interface for administrators to add, edit, and delete data entries, making it easier to manage users, drivers, and ride-related information</li> <li>• SQLite Database: Swift Ride uses SQLite, a lightweight and embedded relational database management system. SQLite provides a simple yet powerful solution for storing and retrieving data, making it suitable for small to medium-sized applications like Swift Ride.</li> </ul>	<b>Jul 2023 - Present</b>
<b>Web based pacman Game - Full stack</b> <p>Our web-based Pac-Man game project incorporates cutting-edge technologies such as <i>Convolutional Neural Networks (CNN)</i>, <i>MobileNet</i>, <i>TensorFlow Keras</i>, and <i>machine learning</i>. By leveraging these tools, we aim to create an immersive gaming experience. The <i>CNN-based algorithms enable intelligent enemy behavior</i>, while <i>MobileNet facilitates real-time image recognition for power-ups and obstacles</i>. TensorFlow and Keras provide a robust framework for model training and deployment, empowering our machine learning techniques. <i>This project amalgamates classic gaming with advanced AI technologies, delivering a captivating and dynamic Pac-Man experience.</i></p>	<b>Nov 2022 - May 2023</b>
<b>Library Management Android Application - Android App</b> <p><i>Java Programming Language:</i> A modern programming language used for Android app development</p> <p><i>Android Jetpack Components:</i> A suite of libraries, tools, and guidance for Android app development, including ViewModel, LiveData, Room, Navigation, etc.</p> <p><i>Firebase Authentication:</i> A library for user authentication and authorization</p> <p><i>Firebase Realtime Database and Firestore:</i> Databases to store and retrieve data related to books, borrowers, and borrowing transactions</p> <p><i>RecyclerView:</i> A flexible and efficient view for displaying lists or grids of data.</p> <p><i>Material Design Components:</i> A set of pre-designed UI components following the Material Design guidelines to create visually appealing and consistent user interfaces.</p> <p><i>Notifications:</i> Utilize Firebase Cloud Messaging (FCM) or local notifications to send reminders and notifications to users.</p>	<b>Jul 2022 - Dec 2022</b>
COMPETITIONS	
<b>E2E Hiring Coding Competition</b> <b>School level Coding Contest</b>	<b>May, 2023</b> <b>Apr, 2022</b>