

Pooja Subhash

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Personal statement

With a year of specialized experience in Python, SQLite, Java, C++ and PHP, I have been instrumental in developing robust software solutions at a leading Indian company serving a diverse international clientele. My expertise includes seamlessly integrating backend functionalities with dynamic frontend designs, utilizing a versatile tech stack encompassing JavaScript, HTML, and CSS. As I pursue a Master's in Advanced Computer Applications, I am dedicated to refining my skills, expanding my knowledge, and enhancing my technical proficiency. My problem-solving and communication abilities have significantly evolved through this journey, preparing me to make meaningful contributions from day one. I am excited about the opportunity to apply my skills to develop high-performance, low-latency trading platforms.

Work Experience

Software Developer, HFCL, India | December 2021 – August 2023

- Managed client meetings to understand requirements and delivered tailored solutions, resulting in a 15% increase in project delivery efficiency and completing task related to coding and programming with IT Service Desk Support
- Oversaw the entire development lifecycle from conceptual design to deployment, ensuring seamless integration of backend and frontend components.
- Instituted debugging and testing protocols, reducing system errors and ensuring high quality releases and Fix Issue Resolution
- Maintained comprehensive documentation and implemented effective issue resolution strategies, enhancing system reliability.
- Conducted team meetings to coordinate project tasks, facilitate problem-solving sessions, and ensure clear communication among team members
- Developed innovative software solutions to address client-specific needs, contributing to enhanced customer satisfaction.
- Developed high-quality, reliable data products and features using Scala and Java.
- Collaborated with cross-functional teams to build data pipelines and analytics platforms.

Analyst Intern, Polyvalent, India | September 2021 – November 2021

- M Provided administrative support to the Planning team, ensuring efficient operations.
- Led continuous improvement initiatives, increasing team efficiency by 10%.
- Conducted audit tasks, statistical analysis, and budget control.
- Assisted with BCP planning and database maintenance.
- Updated the departmental organization chart and provided ex-pat support.
- Prioritized IT projects and supported bank-wide compliance activities.
- Demonstrated analytical skills and proficiency in Excel (VLOOKUP, pivot tables).
- Applied banking products knowledge to support projects.
- Self-motivated, managed priorities with minimal supervision, and adapted to changes.
- Improved practices and ensured goal completion.
- Acted with integrity and demonstrated sound judgment.

Internship, IIT Kharagpur, India | May 2021 – June 2021

- Worked on web designing under the guidance of prominent faculty of IIT Kharagpur focussing on the user experience aspects of website development.
- Developed dynamic UI using HTML, CSS, and JavaScript to control the flow of website and created a custom user interactive website as the internship project.

- Implemented the layout and created visuals, graphics and animations

Internship, Microsoft, India | July 2021 – August 2021

- Worked on application development and developed a user friendly interface using open source libraries.
- Interfaced the techniques of planning and research and prototyping where it starts a rapidly producing wireframes and iterating on user feedback, including the design and development.
- Analysed the scalable and versatile technology stack, how to ensure easier app navigation, how to optimize user controls.
- Created a demo Chabot application, uses text to simulate a human conversation, it does by sending automated message, including decision buttons.
- Developed AI functionality and collected essential data from mobile phone such as location, contacts.

Projects

Text-Based Adventure Game Developer | (May - Present)

- Developed a text-based adventure game on Discord using Python and Discord.py.
- Designed an engaging narrative, including decision-making paths and challenges.
- Implemented game commands, error handling.
- Ensured smooth gameplay flow by managing bot responses and interactions within Discord.
- Deployed and managed the bot using AWS services, ensuring high availability and scalability.
- Demonstrated the potential for multi-player expansion, aligning with future project goals.
- Leveraged Python for its simplicity and powerful libraries to develop the Discord bot.

Research Assistant, University of Essex, UK | (March)

- Conducted research on novel hardware and software architectures for improving cyber-resiliency.
- Designed and implemented scalable software systems to automate human cell production processes.
- Utilized advanced technologies such as NodeJS, TypeScript, and Python for development and testing.
- Collaborated with biologists and engineers to solve core problems and enhance efficiency.
- Successfully contributed to the development of innovative security solutions

PhysicianConnect | (Jan-August. 2023)

- Managing the web project which focus on the streamline appointment scheduling, storing documentation online, Adobe integrations for signed documents.
- Implementing functionality for patient orders, diagnosis, insurance and admin.
- Designed the EMR software for the client.

2theTickets | (Oct- Dec. 2022)

- Worked on the implementation of the registration role-based middleware and managing permissions.
- Designed the Auth role for admin and users.
- Managing the functionality of the page for buying and selling concert Tickets, setting event deadlines and showing the upcoming events, and accepting the payment method using debit and credit cards.

FundedMobiles | (July- Sept. 2022)

- Interacted with the functionality for loan and layaway payment using Laravel framework.
- Designed log at the time of transfer payment.
- Worked with Laravel spark, which is built on the power of Laravel Cashier, it mainly supports payment providers.
- Performed Joins for log of transactions with multiple databases in SQL Server
- Implemented dynamic mail functionality for sending mail to customer after the payment including layaway details.
- Sending OTP for two-step verification via-mail and SMS.
- Worked on to generate product barcode reader.

- Managing the functionality of a web project to give loans to the customers, showing the remaining balance of the account and generating PDFs for transection statement at the time of payment.
- Interacting with the client one to one.

Education

Masters in Computer Applications	Essex University, England	2023 – 2024
Bachelors in Computer Applications	GD Goenka University, India	2019 - 2022

Certification

Adobe Premiere Pro CC Course, <i>Udemy</i>	January,2023
Graphic Design Masterclass Course, <i>Udemy</i>	December,2022
Advanced Cinematography Course, <i>Udemy</i>	October,2022
UI/UX Designing Course, <i>Udemy</i>	May,2022
Cyber Security Course, <i>Udemy</i>	December,2021
Unity Game Developer Course, <i>Udemy</i>	February,2021
Application Developer Course, <i>Udemy</i>	July,2021
Data Structures using C language, <i>Udemy</i>	April,2020

References are available upon request.