Amandeep Singh Bhalla

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SKILLS

- **Computer Languages:** Python, Java, JavaScript, C, C++
- **Technologies:** React, HTML5, CSS3, PHP, XML, Figma, Django, Power BI, Azure Data Bricks
- **Databases:** MongoDB, MySQL
- **IDEs Operated:** Visual Studio Code, Android Studio, Jupyter Notebook, Eclipse, NetBeans, Spyder (Anaconda)
- **Other Relevant Technologies:** Scrum, Agile, VMWare, Android, Jira

EDUCATION

Master of Applied Computing   September 2021 – Present

University of Windsor, Windsor, Ontario, CA

Key Courses: Advanced Software Engineering Concepts, Advanced Database Topics, Advanced Computing Concepts, Advanced Systems Programming, Internet of Things, Network Security

Bachelor of Technology, Computer Science Engineering   July 2017 – May 2021

Amity University, Noida, India

Key Courses: Data Structures, Database Management Systems, Compiler Construction, Computer Architecture

WORK EXPERIENCE

Software Testing Intern, Nuance Communications, Montreal   September 2022 – Present

- Presently working with the QA team as an intern dealing with testing the databases, UI and developing automated test scripts using python and Java
- Understanding and participating in analysis and generation of reports using Power BI and Azure Data Bricks

Software Developer Intern, Amity University, Noida   April 2020 – June 2020

- Planned and developed UI that simplified overall management and were easy to use in development of a web app using php and python
- Liaised with team and project manager to discuss daily agendas and the results achieved
- Collaborated with teams to analyse the problems and suggest solutions in developing tools

ACADEMIC PROJECTS

WAV to MIDI Sound Converter (JavaScript, HTML, CSS)   May 2022
- Developed a WAV to MIDI sound converter (piano only) web app which allows user to download the converted file using JavaScript and HTML
- Designed the UI and hosted the website online using Netlify

EduKids (Java, XML)   September 2021 – December 2021
- Collaborated with a team of 7 members to make an android based educational app for children "EduKids"
- Developed overall architecture of the app using Java
- Planned and implemented the phases of life cycle model and documented QA plan
- Analyzed existing AR models into obj files and later integrated them with the application

ZUNI (Java, Python, Kotlin)   January 2021 – April 2021
- Created an android based Virtual Personal Assistant app "ZUNI" in a team of 4 members
- Developed various functionalities like voice access, setting alarms, scheduling events, sending mails and, reporting weather using Java and Python
- Applied concepts of machine learning to make the assistant respond and perform based on the commands

Smart Appointment and Attendance System (PHP, SQL, JavaScript, HTML, CSS)   July 2020 – August 2020
- Developed an appointment and attendance system as a solo project using php, JavaScript and SQL
- Applied the concept of geo-fencing that makes use of IP addresses to develop a smart system that dynamically logs the attendance of students based on their location of access