RONAK MISHRA

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EDUCATION

Chandigarh Engineering College, I.K. Gujral Punjab Technical University, Mohali, India   **April 2020**

Secured a Bachelor of Technology in Electronics and Communication Engineering.

Relevant Courses: Engineering mathematics (Calculus, probability), Object Oriented Programming, Data Structures, Operating systems, Information Theory and Coding, Computer networks, Mobile computing.

PROFESSIONAL EXPERIENCE

Accenture, Gurugram, India   **May 2021 – Present**

SharePoint Developer – Internal Resource Management

- Designing and developing custom SharePoint applications using various technologies such as HTML, CSS, JavaScript, and libraries/plugins such as JQuery, Bootstrap, and React.
- Implementing functionalities such as form submissions, validations, cascading dropdowns, and auto-populating fields using CRUD operation REST API(AJAX).
- Creating workflows using Power Automate to automatically send information to users after saving to SharePoint lists or libraries. Migrated data from other systems into SharePoint and SQL databases.
- Analysed and presented data in an effective manner using Power BI, as well as providing support for deployment and addressing issues in production environments.

ACADEMIC PROJECTS

Gesture recognition system

- Developed a project with the aim to develop a recognition system that can control the media player using hand gesture.
- Built the algorithms for the recognition system using python, implemented computer vision algorithms using OpenCV, and optimized the model to work efficiently with a limited data set.
- Technologies used: Python, C++, Machine learning frameworks and libraries (TensorFlow & PyTorch) to develop and train the machine learning algorithms, Computer vision library OpenCV.
- Received the award for "Best Software Innovation".

Secure Image Encryption Program

- Ideated a project with the aim to develop an image encryption program to protect sensitive information in images
- Implemented advanced encryption algorithms such as AES and RSA to securely encrypt and decrypt image data.
- Improved the program's efficiency and usability by developing a user-friendly interface and optimizing performance through the use of parallel processing.
- Technologies used: C++, Python and Machine learning algorithms and frameworks.

TECHNICAL SKILLS

- Programming Languages: C#, Java, JavaScript, SQL, Python.
- Web Technologies: HTML, CSS, XML and SharePoint Designer.
- Software Development Methodologies: Agile and Waterfall. | Databases: Microsoft SQL Server, MySQL
- BI tools: Tableau, Microsoft Power BI | Cloud Platforms: Azure, AWS

EXTRACURRICULAR ACTIVITIES

- Certified in several Microsoft Technologies including Microsoft Power platform, Microsoft 365, Microsoft Azure, Microsoft Security, Compliance, and identity fundamentals from Microsoft in 2020-2021.
- Participated in a charity marathon to raise funds for Magic Bus, a non-profit organization that works to provide education and support to children living in poverty in India in 2021.
- Partook in Smart India Hackathon (SIH), collaborated with other teams and brainstormed ideas in 2020.
- Volunteered to provide free tuition for programming foundation courses to unprivileged children in association with iVolunteer in 2019.
- Hosted Quiz competitions about programming concepts and Mathematics at college Tech fest 2019.