KARANDEEP BHARDWAJ

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EDUCATION

Concordia University   **Jan '19 – Present**
Master of Applied Computer Science, Montreal, QC (GPA: 3.5)
Course Work – Artificial Intelligence, Algorithm Design Techniques,
Advanced Software Architecture, Distributed Systems, Intelligent Systems

Chandigarh Engineering College   **Aug '13 – Aug '17**
Bachelor of Technology Computer Science, Chandigarh, IN (GPA: 3.8)

COURSE CREDENTIALS

Udacity Online Learning Platform   **May '20 – July '20**
Data Analyst Nano Degree Program, Virtual Platform

TECHNICAL SKILLS

Frontend: React, HTML 5, CSS 3, JavaFX   **Libraries**: Matplotlib, NumPy, Seaborn, Pandas, SciPy
Backend: Java, Python 3, JavaScript (ES6), SQL, Junit   **Tools**: AWS, Git, Tableau, IntelliJ, Eclipse, Jupyter Notebook

EXPERIENCE

Graduate Teaching Assistant *Concordia University, Montreal.*   **Jan '20 – Present**
Project: SCM (Software Comprehension and Maintenance)
- Guided students through the fundamentals of programming and web development.
- Instructed concepts of software visualization, reverse engineering, static and dynamic source code analysis.

Systems Engineer 1 *Unisys India Pvt. Ltd., Bengaluru*   **Jan '17 – Aug 2018**
Project: WPS (Wisconsin Physician Service)
- Deployment of GUI and speed improvements: Implemented a user interface for health insurance company using Umbraco, resulting in increased efficiency in information finding and editing by 60%.
- Single Sign-On Authentication implementation: Implemented and maintained SSO Authentication using frameworks, which is being used by 70% of the customer companies.
- Authentication methods improvement: Enhanced functioning of authentication methods like password authentication and two-factor authentication for seamless integration with different products reducing manual and time efforts by 25%.
- Link to project: https://wpshealth.com/

Project: CIS (Cloud Infrastructure services)
- Online Ticketing tool Migration: Migrated legacy ITSM from self-managed to Service now, used (SaaS) solution model resulted in reduction to operational costs significantly.
- Deployed user requirements in tool: Collaborated with Automation and tools team in deploying client requirements in service now resulting in improved visibility into services performance and availability.

SELECTED PROJECTS

Exploring Lyft's FordGoBike Dataset: Computed and remodeled huge disconnected dataset for findings with high accuracy and F1 score. **Python3 | Jupyter | Data Modeling | A/B testing** GITHUB
Twitter Data Analysis: Built data model on Twitter account's data and developed insights of high accuracy via A/B testing. **Python3 | NumPy | EDA | A/B testing | Data modeling.** GITHUB
Battleship game: Designed MVVM architecture of project and developed the Smart AI component of game which had 90% success rate. **JAVA | Junit | JavaFX | Firebase** GITHUB | INFO
Distributed Library Management System: Programmed an always available distributed system with 90% fault tolerance, to understand the three generations of distributed computing from Java RMI to web services. **JAVA | CORBA | UDP** GITHUB

CERTIFICATIONS

Core JAVA (SPIC, India): **A+,** AWS Solutions Architect Associate

AWARDS

- "Best Contribution" Award among 100 employees.
- "Best Collaborator" awarded for cloud services project in annual award.