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

Languages: Java, Python 3, JavaScript (ES6), SQL, HTML 5, CSS 3   **Libraries**: Matplotlib, NumPy, Seaborn, Pandas, SciPy

Frameworks: Django, Spring, Spark, Junit, JavaFX   **Tools**: AWS, Git, Tableau, IntelliJ, Eclipse, VScode, Jupyter Notebook, Umbraco

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 cognitive models, 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, facilitated identifying the root cause of issues and automating the fixes.

SELECTED PROJECTS

Ford Go Bike Data Analysis: Computed and remodeled huge (1.85 mil) disconnected Dataset for findings with high accuracy and F1 score. **Python3 | NumPy | Pandas | Matplotlib | Seaborn | EDA | A/B testing.** GITHUB | DATASET

Twitter Data Analysis: Built data model on Twitter account's data and developed insights of high accuracy via A/B testing. **Python3 | NumPy | Pandas | Matplotlib | Seaborn | 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 a 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.