NAMAN DIWAN

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EDUCATION

Master of Science, Computer Software Engineering   CGPA: 3.7/4.0

Northeastern University, Boston, MA   *December 2024*

Relevant coursework: Data Structures & Algorithms, Web Design & User Experience Engineering, Object Oriented Design, UI Design

Bachelor of Technology, Information Technology   CGPA: 8.0/10.0

Manipal Institute of Technology, Manipal, India   *July 2020*

Relevant coursework: Software Engineering, Operating Systems, Machine Learning, Computer Networks, Data Mining, Semantic Web

TECHNICAL SKILLS

Languages: Java, C/C++, Python, R, HTML5, CSS, JavaScript, Typescript

Frameworks & Databases: ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, NoSQL, REST API, Spring Boot, Junit, Kafka, D3.js, Jest

Tools: Docker, Jenkins, Crucible, JIRA, Bootstrap, Git, Postman, Kubernetes, Maven, Gradle, Anaconda, AWS, Azure, Linux

EXPERIENCE

HarbourVest Partners   **Boston, MA**

AI Engineer   *January 2024 - July 2024*

- Implemented a sophisticated **machine learning model** for email classification utilizing NLP techniques & regression algorithms, reducing manual processing time by 35% through seamless integration of **Python with Microsoft Office Outlook**
- Devised a client partnership name prediction model, increasing accuracy by 15% and reducing manual categorization efforts by 25% using **SQL, Appian Designer, and Microsoft Azure Cloud** for seamless deployment and integration
- Developed a **user-friendly UI with React** and a robust **backend using Spring Boot** for the Lighthouse application, utilized by 150+ HVP clients, featuring a dropdown of top 5 predictions, enhancing user interaction by 40%
- Collaborated with business teams to design **advanced analytics models**, enhancing decision-making efficiency by 25%, and effectively communicating complex technical findings to non-technical stakeholders

Oracle Cerner   **Bengaluru, India**

Software Engineer II   *March 2022 - August 2022*

- Led a dynamic team of developers in the creation of a comprehensive healthcare management system leveraging the **MERN (MongoDB, Express.js, React, Node.js) stack**, demonstrating strong technical skills and improving project efficiency by 20%
- Designed and developed a **modular and scalable architecture**, ensuring seamless integration of patient data, electronic health records (EHRs), and medical imaging systems reducing **data integration time by 30%**
- Incorporated advanced security features, including **JWT-based authentication and data encryption**, to meet HIPAA compliance standards and safeguard sensitive patient information achieving **100% HIPAA compliance** and ensuring 0 security breaches

Software Engineer I   *July 2020 - February 2022*

- Contributed to a transformative healthcare data analysis initiative employing the **MERN (MongoDB, Express.js, React, Node.js) stack**, demonstrating full-stack development and data analysis expertise reducing data processing time by 25%
- Engineered interactive data visualization **dashboards using D3.js and React components**, enabling healthcare professionals to easily explore patient demographics, and treatment outcomes resulting in a **35% increase in user engagement**
- Developed an AI-driven predictive model deploying **Python and scikit-learn** to forecast patient readmission rates, empowering healthcare providers with actionable insights for resource allocation and proactive patient care

PROJECTS

Music Web Application, Northeastern University | GitHub   *January 2023 - April 2023*

- Completed development of "Vibe," a React application, leveraging the **MERN (MongoDB, Express.js, React, Node.js) stack** to create an immersive and interactive music exploration platform
- Utilized various Spotify APIs, including Search, Playlist, and Personalization, to seamlessly retrieve users' top songs and artists, ensuring a highly personalized music experience leading to a **20% increase in user recommendations**
- Crafted an intuitive and visually appealing user interface, facilitating easy navigation through years of musical history, and encouraging exploration of users' music-related data leading to a **20% increase in user interactions**

Healthcare Analytics Dashboard, Northeastern University | GitHub   *August 2022 - December 2022*

- Gathered diverse healthcare datasets, including electronic health records (EHRs), demographics, and billing records ensuring comprehensive data coverage, resulting in a **15% increase in data accuracy**
- Utilized **Python (Pandas, NumPy)** for data cleaning and transformation and created informative visualizations with Python
- Performed statistical analysis and built predictive models for patient outcomes using **machine learning (Decision Trees, SVM, KNN and Random Forest)** achieving 30% accuracy improvement in patient outcome predictions