CHARANDEEP KOTA

charandeep.kota@gmail.com | LinkedIn |Github| Charandeep | Pittsburgh| (682)-272-6979

EDUCATION

University of Pittsburgh, School of Computing   **Pittsburgh, PA**
Bachelor of Science in Computer Science & Data Science   *December 2023*

JOB EXPERIENCE

Software Application Consultant   **Pittsburgh, PA**
PSI Metals   *January 2024 – Present*
- Developing Software Solutions for Planning STEEL, Slab/Coil orders in Steel manufacturing factories. Led **Qlik**, **EBI** team in America and delivered project based specific configuration for 5 steel factory clients.
- Increased Slab production by 40% in Hotmill and Caster machinery in ATI Steel Factories by implementing advanced optimization algorithms in **Java** and **Python** framework increasing their production efficiency.
- Configuring Oracle **DBMS** in **PL SQL** for managing data of 100,000's of steel slabs/coils. Achieved a 15% reduction in data retrieval time through enhanced query performance.
- Implemented client configurations in AWS environment with services such as EC2, S3 Buckets & Security groups
- Tools: PL/SQL, Jira, **AWS, Java, SQL Developer, SQL Server, Python,** Hora, Tortoise SVN

Software Engineer Intern   **Pittsburgh, PA**
PNC Financial Services   *May 2023 – August 2023*
- Upgraded data security ratings of analytical data by 10% by upgrading legacy map reduce code to Apache Tez.
- Worked on Text Classification projects on the Machine Learning team. Automated complaint classification of PNC's Customer Calls by building on a **Kert-Based Text Classification algorithm** with a 95% accuracy.
- Researched on Image Modeling Hard Pdf Project which auto classifies Customers based on the documented data
- Tools & Environment: Jira, Bitbucket, JupyterHub, Cloudera, Toad Database, SecureCRT, CA7

Software Development Assistant   **Pittsburgh, PA**
University of Pittsburgh   *August 2023 - December 2023*
- Co Founded a lost & found app for the University of Pittsburgh using React and MongoDB. Secured first place in Pitt Hackathon and received funding for development.
- Led a team of 10 developers from the university engineering team to implement the app.

Full Stack Developer   **Pittsburgh, PA**
ASEES INC   *Sept 2022 – May 2023*
- Optimized **React** components of ASEES website, reducing page load time by 30% for 2023 European conference.
- Designed **PostgreSQL database management system** to maintain company data and improve data accessibility.

SKILLS SUMMARY

Programming Languages: **Python, Java, Spark, C/C++, JavaScript, CSS, HTML, PySpark, Node.js, React.js, QLIK**
Databases, OS & Tools: **SQL Server, MySQL, Postgres, Apache Spark, Git, Jira, SecureCRT, Linux, MacOs, PlSQL**
Tools: **Data Structures & Algorithms, Machine Learning, Database Management, Data Science, QA Testing**

ACHIEVEMENTS AND INVOLVEMENT

Virtusa & PNC Coding Challenge 2023🔗   **Pittsburgh, PA**
2nd Place out of 300 developers   *June 2023*
- During my summer internship, I solved a machine learning coding challenge on budget modeling in Java, using HashMaps and Linear Regression model with the time complexity of O(n) in 55 minutes.

PNC & SHE Hackathon 2023🔗   **Pittsburgh, PA**
Winner of PNC Hackathon(PPTX extension)   *February 2023*
- Developed PowerPoint translation popup feature which automatically translates powerpoint slides into selected language upon download using Image-Text translation python APIs.

PNC & SHE Hackathons 2022 🔗   **Pittsburgh, PA**
1st Place out of 100 students   *January 2022*
- Grammar Query app that translates speech to written text and gives personalized feedback for grammatical errors. Used HTML, CSS, API's and JavaScript for functionality incorporating Grammar correction & translation APIs.

AWS Cloud Practitioner Certified🔗   **August 2024**