Ali Tahir

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ACADEMIC QUALIFICATIONS

- **National University of Computer and Emerging Sciences (FAST- NU), Lahore**   **Graduation: July 2020**
  Bachelor of Science (B.S.) in Computer Science.   CGPA: 2.92/4.0

- **Oracle Cloud Infrastructure Foundations Certified Associate (Oracle)**
  See Credential

- **Machine Learning by Stanford University (Coursera)**
  See Credential (ID: AW9RF98CABWJ)

SKILLS

Languages: Java, Python, C++, JavaScript, SQL
Technologies: Spring Boot (basic), Hibernate, JSP, PyTorch (basic), Docker (basic)

EXPERIENCE

- **Systems Limited –** *Intern(Lahore, Pakistan)*   **June 2019 – August 2019**
  - Developed task management tool that creates, updates and manages tasks of a specific user.
  - Implemented simple CI/CD pipeline for continues deployment of task management tool
  JAVA, SpringBoot, Hibernate, JSP, Docker, Junit, Mockito, Redis, Travis CI, Github

- **FAST- NUCES –** *Teaching Assistant (Lahore, Pakistan)*   **August 2019 – Dec. 2019**
  - Managed 55 students, evaluated and administered exams and assignments

PROJECTS

- **Kinship Verification:**
  Kinship Verification is a research and development project aimed at classifying two individuals as kin/non-kin. Updated and modified available open source code of Sphereface Algorithm written in **PyTorch**. Algorithm predicts the kinship relation with validation accuracy of 54%.

- **Basic Search Engine:**
  Developed a search engine using the clueweb12 dataset in **Python** by implementing **Inverted Index data structure** with **delta encoding** to support efficient compression Scored and ranked documents using Drichlet Language Model Evaluated search results using mean average precision (MAP)

- **Epinions Social Network:**
  Analyzed and reported results of who-trust-whom online social network of a general consumer review site shopping.com formerly known as epinions.com using graph theory by implementing various **graph algorithms** using **C++.** Dataset contained **75,879 nodes**.

- **Compiler:**
  Implemented Lexical Analyzer, Parser, and Translator for an imaginary language using **Java**. Compiler successfully generates machine code and pin points syntax errors in code.

- **Simple Shell:**
  Developed a shell program for Ubuntu 17 using **C++.** The shell parses user commands and uses fork and pipes to execute the given commands to meet the user needs.

- **Library Management System:**
  Desktop based software developed using Java with Hibernate and Swing GUI.

EXTRA-CURRICULAR   March 2018

- **Volunteer Softec (Softec)**
  Part of team that helped organized a three day event at FAST NUCES Lahore.

- **Participant Programming Competition (ACM)**   2017 & 2018
  Participated in Programming competitions organized by ACM.