SHLOK SINHA

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Work Experience.

1. **Solutions Engineer (Part Time)** – *Quagnitia Systems Private Ltd, India*   *September 2020 – Present*
   - Currently working on the deployment, testing and design on a health directory-based application.
   - Responsibilities extend to both mobile applications and database consoles.
2. **Online Coding and STEM Instructor** – *First Code Academy, Hong Kong SAR*   *August 2020 – Present*
   - Imparting coding skills and programming technologies to students from secondary to high school.
   - Material Covered – Python, Web Development, MIT Scratch,
3. **Software Engineering Intern** – *Kin Technologies, Hong Kong SAR*   *June 2020 – Present*
   - Built the frontend of the application for Kin Dispenser using React Native, CSS, Material UI and React Navigation.
4. **Student Cadet** – *Ernst & Young, Hong Kong SAR*   *January 2020 – Present*
   - Selected students are inducted into the EY Academy for a period of 3 years, which helps nurture and coach the students to accelerate their professional development. Students are paired with Cadet mentors and Team leaders.
5. **Application Support Intern** - *Quagnitia Systems Private Ltd, India*   *July 2019 – August 2020*
   - Involved in bug recognition and finding logical /programming related errors in the flow of the applications.
   - Assisted in developing the outlook of the applications.
6. **Software Engineering Summer Intern** - *Docboyz, Zapfin Teknologies, India*   *June,2019 - August,2019*
   - Developed a Python based implementation of a document scanner.
   - Technology Stack included OpenCV, PIL, Imutils, Pillow, Boto3.

Technical Skills

1. Core Languages – C++, C, Python, HTML,Haskell.
2. Programming Technologies & Frameworks – JavaScript, React, Node.JS, Bash, Git, Express.JS,CSS
3. Deep Learning – Caffe, Tensorflow (Basic)

Projects

1. Deep Learning based Document Scanner   *August 2020 – October 2020*
   - Realizing the inefficiencies posed by non-learning based implementation, the project aims at making a more intelligent approach to scanning images.
   - The program learns to recognize the surrounding posed in the test image and learns to extract the necessary edges.
   - Framework used for Deep Learning – Caffe.
2. Client Onboarding application and monitoring Web Console   *October 2020*
   - As the project for JP Morgan Chase Code for Good Hackathon, I built a mobile application helping make the process of onboarding people looking for government housing easier. This app would help the social organization progress faster.
   - A web console was also implemented to make administration of the applicants easier.
   - Technical stack includes React-Native, React and Springboot for Backend.
3. Tech ++   *August 2020 – Present*
   - Tech++ is an online student community aimed at interlinking and connecting students across the world.
   - Students have the opportunity to share skills and important university experiences with their peers.
   - The website also aims at providing valuable resources and materials for students through peer sharing.

Education

The University of Hong Kong   *September 2018 – June 2022*
Bachelors of Engineering (Computer Engineering)
Minor in Economics

Notable Achievements

1. Equal Opportunity Student Ambassador - *The University of Hong Kong*   *September 2018- September 2020*

Responsible for upholding the ideals of equality and equality of opportunity on the campus.

2. STEM teaching Volunteer – *ChangeTheCode-HKU*   *August 2020 – Present*
    ChangeTheCode is a student run society aimed at educating and bridging the gender gap in STEM fields.
3. HKU Foundation Entrance Scholarship.   *2018-2022*
4. Shortlisted for JP Morgan Chase Code for Good Hackathon held on 9th and 10th October 2020.