Zaid Khan

Final Year B.Tech | CSE with AI specialization | IIT Jodhpur
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EDUCATION

IIT JODHPUR
B.Tech in Computer Science with AI specialization
IIT Jodhpur | Expected 2020
Cum. CGPA: 8.3/10.0

LINKS

Github | gitlab:// **zaidrazakhan**
LinkedIn:// **zaid-raza**

COURSEWORK

UNDERGRADUATE
ongoing*
Data Structures And Algorithms
Object Oriented Analysis And Design
Software Engineering
Operating Systems
Theory of Computation
Computer Organization and Architecture
Compiler Design
Computer Networks, Databases
Machine Learning*
Artificial Intelligence
VANET*
Digital Image Analysis*

SKILLS

PROGRAMMING
• C/C++ • Python • Java • Javascript
• SQL

DEVOPS
• Github • Docker • CD/CI

WEB
• Nodejs • Django • Flask • Restful APIs

OTHER SKILLS
• Data Structures and Algorithms
• Problem solving • Root cause analysis
• Critical thinking

ACHIEVEMENTS

APPLYMPIC IDEAFEST
Third Prize
Ideation hacakathon conducted by SMS Datatech

EXPERIENCE

SMS DATATECH | Summer Intern
13th May 2019 - 12th July 2019 | Tokyo, Japan

- Designed and developed an architecture to productionalize the ML models. The architecture is backed by micro-services abstracting and decoupling the data and the models. Successfully removed any manual intervention by automating the queries served to the customers in a scalable fashion.
- Developed a light weight data visualization platform : to enable preliminary analysis of any spot selection of structured dataset.

PROJECTS

RESOURCE CONSTRAINED NEURAL NETWORK TRAINING OPTIMIZATIONS
Optimized training on budget devices
Sept 2019 - Nov 2019 | Mentored by Dr. Sumit Kalra

- Implemented memory optimizing techniques in neural network training, and implemented map reduce technique to train neural network on distributed system. Achieved testing accuracy with less than 5% tolerance when trained on a single system.

GENERATIVE FACE COMPLETION | Neural Network
Jan 2019 - May 2019 | Mentored by Dr. Gaurav Harit

- Developed a Generative Adversarial Neural Network to generate missing components of a face. We achieved realistic face images.

MY PASTEBIN | Online content hosting Platform
June 2018 - July 2018 | Self Project

- Designed and developed micro-services architecture decoupled into 5 RESTful micro-services interacting with each other.

TABLE PARSER | Parsing tables in printed documents
July 2018 - Nov 2018 | Mentored by Dr. Gaurav Harit

- Developed a model to detect and parse tables from an image.

WEB BASED REIMBURSEMENT MANAGEMENT SYSTEM
May 2018 - June 2018 | Self Project

- Integrated the legacy code written in C++ (course project) with Boost libraries to make it consumable by Python. Exposed Flask based REST APIs for the same. Integrated these APIs with Tomcat based front-end service and rendered it using JSP. Achieved cross stack compatibility through this.

POSITION OF RESPONSIBILITY

PROGRAMMING CLUB | Captain | Present

- I and my team take sessions, contests and organize hackathons on different programming paradigms.

SCIENCE AND TECHNICAL SOCIETY | Joint Secretary | 2017-18

- Helped organize various technical events for all clubs under technical society.

EXTRACURRICULAR

Represented IIT Jodhpur football team in Sangram 2017 at IIT Roorkee