Prakhar Lohiya

301 Swift Ave, Apt 24, Durham, NC - 27705 | plohiya97@gmail.com | prakhar.lohiya@duke.edu | +1 (919)-904-0306
github.com/MisterParker | https://www.linkedin.com/in/prakharlohiya/

EDUCATION

Duke University, Durham, NC, USA　　　　　　　　　　　　　　　　　　　　**2022-2023**
Masters in Engineering Management (MEM)
Electives - Consulting Practicum, Challenges in Design Thinkers and Innovators

Vellore Institute of Technology, Vellore, TN, India　　　　　　　　　　　　**2016-2020**
Bachelors of Technology, Computer Science and Engineering, GPA: 8.61/10
Co-curricular/ Volunteering:

• United Nation Online Volunteering - Noble Missions, Nigeria | Developer	01/2020-06/2020
• SPE VIT Student Chapter, VIT Vellore | Vice Chairman	12/2017-12/2018
• SPE Cares, VIT Vellore | Founder	2018-present
• Technoscape International Conference, VIT Vellore | Organizer	2018
• AIESEC, VIT, Vellore | Team Leader	01/2018-06/2018
• AIESEC Central South University, Changsha, China | Exchange Student	11/2016-12/2016

PROFESSIONAL HISTORY

Annant Education, *Teacher - AP Calculus (Part time, Hobby)*　　　　　　**03/2021-present**
• teaching AP calculus AB/BC to Indian & International students from Singapore, UAE, America & Russia.

IntersectIQ, *Senior Associate - AI Platforms*　　　　　　　　　　　　　　**06/2020-02/2022**
IntersectIQ is a leading Industrial AI SaaS company, majorly working in steel, mining, cement industries to solve safety, security & process monitoring use cases through computer vision & IoT.

Managerial
• headed the Artificial Intelligence division, acted as Product Manager & scrum master. Implemented strategic and design thinking driven Agile methodology in the company, increasing the team velocity and coherency, also hiring a core team of 25 people.
• piloted 1st international client in the USA expanding our global footprint, & orchestrated the software deployment.
• orchestrated many site visits to fortune 500s, finalized the deals with stakeholders and rolled out the Shark 2.0 AI Platform.
• mentored 40+ engineering interns and built strategic research partnerships with IIT Gandhinagar & VIT University.
• assisted 3 universities in enhancing the Computer Science curriculum to increase participation in AI and parallel courses. structured and performed the hiring process for the company - framework, questions, rubrics, and criteria.

Technical
• built highly customized one-of-a-kind Computer Vision deep learning models for industries to improve safety, security, process monitoring, like Person in certain angle proximity of a moving crane, Person on Trucks, Ladle Monitoring, Crane Interaction, Person putting hands on loads, Entry Obstruction, Pathway obstruction, Collision & speed detection, material spillage, real time tracking of chemical pipes. Which were highlighted in the World Steel Association, for their innovation and impact.
• led the transition of deployment architecture from On-premises to Edge saving 60% on Hardware and maintenance costs.
• developed visual analytics solutions to 400+ camera and image sensors in the largest edge-based industrial AI deployment, using the NVIDIA's Deepstream Software Development Kit to maximize the inference throughput.
• built & integrated the media compression pipeline, reducing AI data load by 80% & improving the web load time by 75%.

Globussoft Technologies Pvt. Ltd. , *Summer Internship*　　　　　　　　**Jun 2019-Jul 2019**
Globussoft is the parent company of the Chingari App, with 50Million+ downloads on Play Store.
• troubleshooted & built modules for a Universities' placement cell and increased the database throughput by 70%.

PROJECT EXPERIENCE

Tulip, *Student Consultant (ongoing)*　　　　　　　　　　　　　　　　　　**Aug 2022**
Working as a student consultant for Tulip's vision platform, enabling them to find the optimal segments and appetite by conducting a thorough product and market analysis. Designed the sprint planning including backlogs, epics & stories.

ALT-Verify, *Founding Member*　　　　　　　　　　　　　　　　　　　　　**2020**
Born in a hackathon, alt verify was among the top 15 blockchain startups in T-block accelerator, conducted by the government of Karnataka, India

HONORS & AWARDS

G.D. Naidu Young Scientist Award, VIT Vellore　　　　　　　　　　　　　**2019**
Ranked 1st in the computer science department under the Fast Track Research Initiative.
Developed a novel software that lets disabled people control a smart device using eye movement.
Letter of Appreciation - by Dr. Vikas Mahatma, Member of Parliament, Upper House, India

PUBLICATIONS & PATENTS

GUI based eye tracking for disabled people using Viola-Jones Algorithm …　　**May 2020**
Prakhar Lohiya, Patent issuer and number: in 202041020271

Journal of Computational and Theoretical Nanoscience　　　　　　　　　　**Aug 2018**
G. Harika, *Lohiya P*., Gugale A.,"Travel Buddy—A Carpooling App: A System Designed to Group Students for Sharing a Cab", Volume 15, Number 8, August 2018 | https://doi.org/10.1166/jctn.2018.7511

CERTIFICATIONS

Agile Meets Design Thinking | Darden School of Business	**Jun 2022**
Software Engineering Virtual Internship | J.P. Morgan and Chase Co	**Apr 2022**
Cluster Analysis in Data Mining | *University of Illinois at Urbana-Champaign*	**Mar 2019**
Neural Network and Deep Learning | *deeplearning.ai*	**Mar 2019**

SKILLS AND INTEREST

Proficient in Python, Java, Matlab, HTML, CSS, JavaScript, PHP, MySQL, R, C, C++, AWS, Wix, Wordpress, Webflow, Drupal.
CV Frameworks: Keras, Caffe, YOLOv3, PyTorch, Tensor flow, OpenCV, CUDA, OpenVino
Edge Hardwares: Jetson Nano/NX/AGX/Tesla T4, Intel