Mayank Tale

Artificial Intelligence Developer & Researcher | Android / iOS App Developer

Passionate Artificial Intelligence Engineer with a proven track record and demonstrated history of working in the sector.

tale.mayank@gmail.com ✉
+918770273832 📱
Indore, India 📍
linkedin.com/in/mayank-tale-4508a711b in
live:mayanktale9425 🅂
github.com/CodeLogist 🐙

EDUCATION

Bachelor of Technology, Computer Science
Jaypee Institute of Information Technology
07/2017 - 05/2021   *CGPA - 7.9, Prev. SEM GPA - 9.0*

Class XII (Senior Secondary), Science
St. Norbert Senior Secondary School
05/2017   *88.8%*

Class X
St. Norbert Senior Secondary School
04/2015   *CGPA - 7.8*

WORK EXPERIENCE

Team Lead
AI Labs, Germany
02/2020 - 03/2020   *Bremen, Germany*
AI Labs is an Artificial Intelligence centric Product based company focussing on making people's life easy through Automation.

Achievements/Tasks
- Promoted to Team Lead after a month working as an AI developer Intern.
- Lead to completion of projects by coordinating work and project flow with an excellent team of skilled interns.

Contact: *Fatih Damat - +49 176 21965113/live:fatih.damat*

AI Developer Intern
AI Labs, Germany
01/2020 - 03/2020   *Bremen, Germany*
AI Labs is an Artificial Intelligence centric Product based company focussing on making people's life easy through Automation.

Achievements/Tasks
- Built a 3D vehicle detection and localisation software using inputs from Velodyne point clouds and a single RGB camera image by leveraging AI and computer vision technology.
- Fluid Dynamics simulation through predictive modeling.
- Built Android mobile application to recognize artificially and naturally ripen Bananas with offline inference.

Contact: *Fatih Damat - +49 176 21965113/live:fatih.damat*

Business Analyst
Revelin7 Technology Pvt. Ltd.
04/2019 - 06/2019   *Bengaluru, India*

Achievements/Tasks
- Handled all the Business Analytical tasks. Managed the project SOPs, proposals, etc.

Contact: *Parag Arora - +919972824354*

SKILLS

Algorithms   Android App Development   Artificial Intelligence   AWS   C/C++   Cloud Computing   Data Structures   DBMS   Deep Learning   Edge Computing   Futter   GCP   Git   Hybrid App Development   Java   Kotlin   Linux   Machine Learning   Python

PROJECTS

Handheld Bee-Queen Detection Device (03/2020 - 08/2020)
- Built a handheld Bee-Queen detection and localization device using custom hardware and leveraging the computational power of the **Amlogic A311D** processor and Amlogic **NPU**.
- A task of detecting the presence of Bee Queen in an hive-frame full of bees takes atleast 5 mins to scan a frame manually is converted to a task of barely few milli-seconds per frame by leveraging **Computer Vision** Technology.
- Currently, the device is being used by **Jester Bee Co., Florida, USA**.

Forex Trading Bot | EUR-USD Pair (08/2019 - 02/2020)
- **Reinforcement Learning** based auto trading bot made for EUR-USD currency pair.
- Trading environment(OpenAI Gym) for Forex currency trading(EUR/USD)
- **Duel Deep Q Network** Agent is implemented using Keras-rl with has modified its core file.
- Agent can Buy/Sell/Hold or can take Long/Short Position.

MedScan: Skin Cancer and Chest Radiographs multi-label classification (07/2019 - 12/2019)
- 3 Skin Cancer and Chest Radiographs multi-label classification for 13 Chest related diseases.

Pneumothorax Detection using Chest X-Ray image as an input (10/2018 - 12/2018)
- Chest abnormality named Pneumothorax is Detected using CNN from the **Chest X-ray image** input.

RESEARCH EXPERIENCE

DeepPhenotype: Integrated multiclass segmentation, tracking, and analysis of cell microscopy (08/2020 - Present)
Grands-in-Aid for Scientific Research (KAKENHI) for Research Fellowship for Young Scientists, JSPS (17J00362), Research grant awarded to Technology Pioneer Fellow under Proof-of-Concept Program, **Okinawa Institute of Science and Technology Graduate University, Japan**

FREELANCE ACHIEVEMENTS

Top-Rated AI developer on Upwork (06/2019 - Present)
Till now worked for 500+ billing hours and have delivered 9 high-quality projects and gained appreciation from clients. Capable of delivering scalable end-to-end software. Projects included the use of **REST API**, **Cloud services**, **Computer Vision**, *Data* **Architecture Design**,**Feature Engineering**, **Image Recognition**, **Object Recognition**, **Reinforcement learning**, **NLP**, *and many more advanced technologies. Have worked with clients and teams from* **Florida**, **France**, **Germany**, **Australia**, **Canada**, *and* **Japan**.

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency