Athul AR

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CONTACT

Github:// 0neir0s
LinkedIn:// athul-ar

CERTIFICATIONS

SOLUTIONS ARCHITECT
Amazon Web Services (AWS)
Oct 2020 | Credentials

HYBRID CLOUD NANODEGREE
Nutanix
Jan 2021 | Credentials

RANKS & AWARDS

JEE ADVANCED
IIT Entrance Examinations
2014 | AIR 264 | State Rank 1

KVPY SCHOLARSHIP
Kishore Vaigyanik Protsahan Yojana
2014 | AIR 147

SKILLS

PROGRAMMING
Familiar:
• Python • Java
Somewhat Familiar:
• Javascript • C • C++
• Unix/Shell • Git

COURSEWORK

COMPUTER SCIENCE
Computer and Network Security
Computer Graphics
Advanced Machine Learning
Automated Speech Recognition
Computational Finance
Microprocessors
Programming Languages

MATH & FINANCE
Number Theory and Cryptography
Combinatorial Optimisation
Econometrics
Digital Signal Processing
Stochastic Processes
Portfolio Theory and Asset Pricing

EXPERIENCE

GOOGLE
Software Engineer III
Dec 2024 - Present | Atlanta, USA
- Working in Cloud TPU Reliability team.

Software Engineer II-III
Aug 2021 - Dec 2024 | Hyderabad, India
- Worked in Cloud Storage as a founding member of Storage Insights.

JP MORGAN CHASE & CO.
Associate, Software Engineering
Jan 2021 - Aug 2021 | Mumbai, India
- Worked on a predictive analytics delivery framework within FX team
- Delivered a secure chatbot solution for order analysis by trade clients

Analyst, Software Engineering
Jan 2020 - Jan 2021 | Mumbai, India
- Implemented a Symphony chatbot with alerting and querying abilities enhancing the productivity of Sales, Risk and Production management

Intern, Software Engineering
May 2017 – Jul 2017 | Mumbai, India
- Developed a Natural Language based chatbot for internal trade queries
- Awarded a pre-placement offer for excellent performance

AUV-IITB
Electrical Engineer
Jan 2015 – Dec 2016 | Mumbai, India
- Worked in an autonomous underwater vehicle development team
- Achieved second place in the International RoboSub Competition 2016

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
B.Tech (Hons) in Electrical Engineering
Minor in Computer Science & Engineering
2014 - 2018 | GPA: 9.02
- Developed a state of the art technique to learn rare classes by transductive transfer in Siamese networks for facial and oral cancer datasets.

WORLDQUANT UNIVERSITY
MSc, Financial Engineering
2018 - 2020 | GPA: 9.40
- Worked with **Richard Obonyo** and **Prof. Tiberiu Stoica** on a fast, practical neural network framework for parameter calibrations of pricing models

PUBLICATIONS

[1] A. R. Athul, R. Obonyo, and T. Stoica, "Modelling and calibration techniques for fractional black scholes model," *Masters Thesis*, WQU, 2020.

[2] S. Kumar, A. R. Athul, and A. Sethi, "High accuracy facial recognition using siamese deep learning techniques," *Undergraduate Thesis*, IITB, 2018.