

# Athul AR

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## CONTACT

Github:// [OneirOs](#)  
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.