

Sivaramakrishnan KN

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LinkedIn  | GitHub 

WORK EXPERIENCE

- Google**
Software Engineer | Google Ads
Full-Stack Developer in the Local Services Ads team, responsible for optimizing Conversions to improve advertiser experiences
Reduced latency in reporting Conversion stats by migrating the service from a legacy independent system to a unified Ads framework
Launched a feature to detect and prevent spam Phone numbers from being shown on an advertiser's profile
- Bangalore, India**
Oct 2024 — Present
- Oracle**
Senior Member of Technical Staff | IAM
Oracle Universal Authenticator
Designed Entity Relationship Models and Data Access layer APIs for implementing Desktop Authenticated SSO on Windows devices
Implemented a multi-threaded Windows service using the .Net framework to perform Life Cycle Management
- Bangalore, India**
Jul 2021 — Oct 2024
- Access Governance**
Developed multiple REST based micro-services for a multi-tenant cloud based Access Governance solution
Coordinated integration testing across a team of 50+ developers and managed the CI/CD pipeline of staging and pre-production
- Oracle Adaptive Risk Management**
Developed a risk filter to analyse authentication requests of secure transactions and implemented MFA to provide additional security

INTERNSHIPS

- Oracle**
Software Developer Intern | IAM
Implemented OAuth 2.0 authentication flows for a Facebook connector and evaluated performance between 2 and 3 legged flows
- Bangalore, India**
May 2020 — Jun 2020
- North Eastern Space Application Center - ISRO**
Software Developer Intern | Remote Sensing & GIS
Built a Django-based web platform for Geo-Spatial app prototyping and standardized remote sensing data using OpenDataCube
- Umiam, India**
May 2019 — Jul 2019

EDUCATION

- Birla Institute of Technology and Science, Pilani**
B.E in Computer Science and Engineering; First Division, GPA: 8.34/10.0
- Hyderabad, India**
Aug 2017 — May 2021

PUBLICATIONS

- Sivaramakrishnan, K., Deka, L. & Gupta, M.** in *Geo-intelligence for Sustainable Development* 109–125 (Springer, 2021).
https://doi.org/10.1007/978-981-16-4768-0_8.

SKILLS AND CERTIFICATIONS

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|-----------------------------|---|
| Languages | Java, C++, Python, PL/SQL, JavaScript, HTML |
| Certifications | Oracle Cloud Infrastructure 2022 Certified Foundations Associate |
| Frameworks and Tools | Oracle Cloud Infrastructure, .NET, Kubernetes, Docker, Kafka, Flink, Maven, Git, Autonomous DB (ATP), Postman, Helidon, JMeter, JAX-RS, JPA (EclipseLink, Hibernate), Django, TensorFlow, Keras |

PROJECTS

- Multi-Modal DeepFake Detection using Spatial and Frequency Domain Analysis**
Undergraduate Thesis
Aimed to improve the accuracy of DeepFake detection in video datasets (DFDC, FaceForensics++) using spectral analysis.
Pre-processed the data by extracting facial features, such as the eye, and lip region, and transformed it using FFT
Trained a CNN classifier on the multi-modal data and improved the DeepFake detection accuracy to 98.9%
- Monash University, Melbourne**
Dec 2020 — May 2021

ACHIEVEMENTS

- Oracle Covid Hack - Runner Up**
Developed a system to safely and securely manage queues for essential services during the Covid19 pandemic
- InnoHack 6.0 - Runner Up**
Created an unsupervised classification model to detect faults in heavy machinery by using audio signals

VOLUNTEER EXPERIENCE

- Project Leader, Oracle Volunteering**
Socio-emotional learning based Journaling Workshop - Conducted a workshop for underprivileged children of Project RISE with AROH Foundation to create awareness on the importance of mental health and how journaling can help processing one's feelings