Aroonav Mishra

aroonav11@gmail.com
https://aroonav.github.io
Contact: +91-7681821460

Experience

Senior Member Technical - **CDK Global**, Hyderabad *(Jul '17 - Present)*

Project: Flex DMSaaS

- Prototyped key features across the product in 2 months with over 90% customer satisfaction.
  Won Best Team award in Apr '19 for enabling rapid expansion of the product's customer base.
- Overhauled the test coverage process and enabled peers and seniors across teams to architecture UI apps, improving maintainability, reusability, and performance. (Done via code reviews and sessions.)
  Won High Performance award in October '19 as this improved product's test coverage upto 55%
- Developed critical screens for accounting services of dealerships and acquired expertise in AgGrid.
  Won High Performance award in July '18 for using AgGrid to create complex forms in 2 months.
- Tech stack: React, Redux

Project: Features usage tracking

- Make data driven decisions for finding high usage features and high priority bugs by analysing the usage tracking of components in apps across CDK.
- Tech stack: Node, React, Splunk, td-agent.

Google Summer of Code Student - **KDE** *(May - Aug '15)*

Project: Porting Amarok to Qt5 & KF5
Mentors: Mark Kretschmann & Myriam Schweingruber

- Ported Amarok media player to use Qt5 libraries & KDE Frameworks 5 libraries, a collection of libraries by KDE that forms the foundation of KDE applications.
- Tech stack: CMake, GNU Make, Git, C++. [Blog Posts] [Code]

Projects

Classifying users using Keystroke Dynamics **Undergraduate Thesis**
Mentor: Prof. Puspanjali Mohapatra, IIIT Bhubaneswar *(Spring '17)*
• To determine the current user on the basis of typing biometrics with high precision and accuracy using neural networks and SVM.
• Analysis of performance using various metrics on an existing and a new dataset.
• Tech Stack: Python, scikit-learn. [Report] [Code]

Comparison of anomaly detection algorithms *(Fall '16)*
Mentor: Prof. Puspanjali Mohapatra, IIIT Bhubaneswar
• Investigated the performance of anomaly detection algorithms for keystroke dynamics. [Report] [Code]

Baggy bounds checking using Clang and LLVM *(Summer '16)*
Mentor: Dr. Debasish Jena, IIIT Bhubaneswar
• Implemented and analysed baggy bounds checking using a binary buddy memory allocator to prevent out-of-bound errors and identify security problems using C, C++, Clang, LLVM. [Code]

Linux From Scratch *(Fall '14)*
• Constructed a fully functional operating system running Linux kernel compiled and manually configured from source code using GNU Make, bash. [Code]

Education

Examination	University/Board	Institute	Year	CPI/%
Graduation	IIIT Bhubaneswar	IIIT Bhubaneswar	2013-2017	8.29/10.0
Intermediate/+2	CBSE	Sri Sankara Vidyalaya, Bhilai, CG, India	2013	88.0
Matriculation	ICSE	BEMS, Jharsuguda, Odisha, India	2011	89.7