Aroonav MISHRA

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EXPERIENCE

CDK Global	**Software Developer**
JUL '17-PRESENT	Hyderabad, India

• **Flex DMSaaS**: Develop key screens in applications used across dealership's accounting, service, parts, and administration services.
Mentor peers and seniors across teams to architecture UI apps, improving maintainability, reusability, and performance. Also do frequent code reviews to ensure high code quality in the product.
Tech stack: React, Redux
• **UnifiedPO**: Worked on modernizing the purchase order screens of DMS Drive.
Tech stack: React, PHP
• **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: Splunk, td-agent, Node, React

KDE	**Google Summer of Code Intern**
MAY - AUG 2015	Mentors: Mark Kretschmann & Myriam Schweingruber
[Git Commits]	• Ported Amarok media player to use Qt5 libraries & KDE Frameworks 5 libraries,
[Blog Posts]	a collection of libraries by KDE that forms the foundation of KDE applications.
	• Tech Stack: CMake, GNU Make, Git, C++.

PROJECTS

Classifying users using Keystroke Dynamics   **Undergraduate Thesis**
Mentor: Prof. Puspanjali Mohapatra, IIIT Bhubaneswar   [Report] [GitHub] | Spring 2017
• 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

Comparison of anomaly detection algorithms   [Report] [GitHub] | Fall 2016
Mentor: Prof. Puspanjali Mohapatra, IIIT Bhubaneswar
• Investigating the performance of various anomaly detection algorithms for keystroke dynamics.

Baggy bounds checking using Clang and LLVM   [GitHub] | Summer 2016
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.
• Tech Stack: C, C++, Clang, LLVM

Sentiment Analysis of Twitter Data.   [GitHub] | Fall 2015
Mentor: Prof. Mukesh Tiwari, IIIT Bhubaneswar
• Extracted sentiment from real time messages about people's opinion regarding a topic using Java.

Linux From Scratch   [GitHub] | Fall 2014
• Constructed a fully functional operating system running Linux kernel compiled and manually configured from source code.
• Tech Stack: GNU Make, bash

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