

ABIJAY ANAND RS

Final Year Undergraduate
School of Minerals, Metallurgical and Materials Engineering
Indian Institute of Technology Bhubaneswar
+918281810667
aa13@iitbbs.ac.in



Academics

YEAR	COURSE	INSTITUTE	PERCENTAGE/CGPA
2014-2018	B.Tech.- Metallurgical & Materials Engineering	IIT Bhubaneswar	8.02
2013	XII Intermediate-Kerala State Board	Rahmania HSS Kozhikode,Kerala	93%
2011	X –Kerala State Board	Govt. Technical High School Kozhikode,Kerala	100%

Extracurricular Activities And Projects

- ❖ **Core head member of Web & Design Team of Alma Fiesta: socio-cultural fest of IIT Bhubaneswar**
 - Alma Fiesta 2016 official Android app (2000+users)
 - Team Alma App for Sharing details among Fest team
 - ❖ **Google Study Jams 2016**
 - Worked as main student coordinator in STUDY JAMS offered by Google Developer Guidance Bhubaneswar
 - Achieved Certificate for one of the **best project** in STUDY JAMS (Lost & Found App)
 - ❖ **Maai Canteen App for Instant food Delivery Start-up for IIT Bhubaneswar students and faculties (800+ users)**
 - App was developed using **Firestore database** and **Cloud Messaging** features
 - ❖ **Trobel App - Book rental start-up selected in IIT Bhubaneswar (Currently Working)**
 - Used Firestore database, Cloud Messaging for database and push Notifications
 - Used Base **64 image** compression with AsyncTask background thread while uploading to compress large images.
 - App is in testing phase in IIT Bhubaneswar.
 - Used Numeric key during creation of decision tree to compress class data
 - Targeting 100000+ users once the start-up gets extended outside IIT Bhubaneswar
- Goldman Sachs Code Sprint :World Wide Rank:427 Indian Rank :197 (5 star profile Hacker Rank)**

Core-Projects

- ❖ **Modelling and Simulation of Direct Chill Casting**
 - Modelled the Vertical direct chill caster using Solid Works
 - Working on the Simulation of Direct Chill Casting of Ni Super alloy in ANSYS (APDL)
Guide: Dr Partha Sarathi De, SMMME, IIT Bhubaneswar (Currently Working)
- ❖ **Micro Structure Detection**
 - Classifying the data of microstructure that obtained previously project to get common properties to predict microstructure using **Reverse Monte Carlo Algorithm** by dividing in to clusters (Currently –Working)
Guide: Dr Kishore Sahu, SMMME, IIT Bhubaneswar
- ❖ **Microstructure Analysis**
 - Analysed the different Micro Structure of different alloys, built common data on their properties and collected data.
Guide: Dr Partha Sarathi De, SMMME, IIT Bhubaneswar

Industrial & Research Experience

- ❖ **Summer Project In Defence Metallurgical Research Laboratory (DRDO)**
 - Worked on Effect of Mould Withdrawal Rate on Primary Dendritic Arm Spacing for improving the creep resistance and life time of turbines in aero engines.
 - Successfully tested on a working Aero Engine prototype.
Guidance: Dibyendu Chatterjee (Scientist E) Saurabh Kumar (Scientist E)
(DSG Team DMRL Hyderabad)
- ❖ **Winter Vocational Trainee In Steel Authority Of India Limited (SAIL)**

Technical Skills

- Android App Development
- Solid Works, ANSYS(Work Bench)
- Java, Cpp, Python SQL, JSON(Partial), Firebase

Hobbies

- Listening Music
- Football
- Making Apps

<https://abijayanandrs.github.io/>

 <https://github.com/AbijayAnandRS>

 https://www.hackerrank.com/abijayanand123?hr_r=1

 <https://www.linkedin.com/in/abijay-anand-159511117>