

# Soumya Gourab Sahoo

## PERSONAL DATA

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DATE OF BIRTH: 26 September, 1997  
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## CAREER OBJECTIVE

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To grow and improve communication and professional IT skills gained through previous experiences in the IT sector and leverage them for improving the organisation and myself.

## EDUCATION

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CURRENT	B.Tech. COMPUTER SCIENCE AND ENGINEERING, <b>National Institute Of Technology, Rourkela</b> GPA: 8.05/10
MARCH 2015	Intermediate in SCIENCE, <b>Mother's Public School, Bhubaneswar</b> PERCENTAGE: 93.67
MARCH 2013	Matriculation, <b>De Paul School, Berhampur</b> PERCENTAGE: 93.67

## PROJECTS

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DRIVER DETECTION SYSTEM	JANUARY – APRIL, 2018 This system alarms a driver based on behaviour analysis performed on live video footage from the dash-cam using deep learning techniques.
NITRUTSAV WEBSITE	DECEMBER, 2017 - JANUARY, 2018 I helped design the front-end of the website for <i>NITRUTsav</i> , the cultural fest of NIT, Rourkela.
AUTOMATED TRAFFIC MANAGEMENT	SEPTEMBER – NOVEMBER, 2017 The goal was to automate traffic from multiple live feeds taken from surveillance cameras using a full scale 2D model city and a crowd simulation system.
D361 WEBSITE	MAY - JULY, 2017 Was the core design member for designing the website for <i>D361</i> , the official literary club of NIT, Rourkela.
INTELLIGENT GROUND VEHICLE	JANUARY – APRIL, 2017 The goal of the project was to implement a miniaturised self-driven car. My role was to apply image processing techniques to the neural network's live feed.
CYBORG CENTRAL DATABASE	NOVEMBER, 2016 - APRIL, 2017 As a Cyborg Club member, I was responsible for designing the front-end interface to the Cyborg Central Database.

## WORK EXPERIENCE

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SUMMER INTERN	MAY, 2018 - JULY, 2018 Worked as an Intern at ISTPL, Datawise in Hyderabad. I worked on web design and natural language processing algorithms which were incorporated into the product website at a later stage.
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## TECHNICAL SKILLS

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GENERAL PROGRAMMING	Java, C, C++, Python, Javascript, jQuery
OTHER LANGUAGES	HTML5, CSS, MATLAB, LaTeX, Verilog
DATABASES	MySQL, Oracle
FRAMEWORKS	Bootstrap, Selenium, web2py, Qt
OTHER SOFTWARE	Adobe Photoshop, Arduino, OpenCV, OpenGL, Servlets, JDBC

## SOFT SKILLS

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LANGUAGES	English - Professional Fluency, Hindi - Basic Fluency, Odia - Mother Tongue
SOFT SKILLS	Communication, Teamwork, Conflict Resolution, Adaptability

## EXTRA CURRICULAR ACTIVITIES

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CYBORG	<i>Member, 2015 - 2017</i> <i>Design Head, 2017 - Present</i> Cyborg the Robotics and Automation club of NIT, Rourkela is the official robotics club of NIT, Rourkela. The club members have managed to bag laurels for the Institute in various national level competitions. Many different projects are carried out all round the year.
EPREUVE	<i>Member, 2016 - Present</i> Epreuve, the online tech event, is organized in the pre-Innovision week in November. More than 3000 people participate from more than 20 institutes.
TIBURON	<i>Member, 2015 - 2016</i> Team Tiburon is responsible for building an Autonomous Underwater Vehicle which does not require any human input. It possesses contextual decision-making intelligence. For the SAVE competition, our AUV was build to follow a path, pass through a gate, fire a torpedo, etc.

## CERTIFICATES

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MARCH 2018	Runners-up prize in Inter-Hall Cricket Tournament
JANUARY 2018	Participated in Red Hat's Ethical Hacking Workshop
DECEMBER 2016	Received 3 <sup>rd</sup> in SAVE by NIOT, Chennai
JANUARY 2016	Participated in <i>Embetronix</i> in IIT, Kharagpur
NOVEMBER 2015	Participated in <i>Death Race</i> and <i>Tread-o-Quest</i> in Innovision at NIT, Rourkela
AUGUST 2015	Won 1 <sup>st</sup> prize in <i>Robosoccer</i> at NIT, Rourkela conducted by Cyborg

## INTERESTS AND ACTIVITIES

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INTERESTS	Front-end Design, Computer Networking, Artificial Intelligence
ACTIVITIES	Open Source Contribution, Web Development, Computer Graphics
HOBBIES	Chess, Gaming, Video Game Journalism, Analysis