ADITYA NARAYAN | 13EC30001

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ACADEMIC QUALIFICATIONS

YEAR OF COMPLETION	DEGREE/CERTIFICATION	INSTITUTION	CGPA / %
2018	Dual Degree, Electronics and Electrical Communication Engineering	Indian Institute of Technology Kharagpur	8.46 / 10
2013	Class XII (Maharashtra State Board)	Thakur Vidya Mandir, Mumbai	88.17%
2011	Class X (CISCE Board)	Ryan International School Goregaon, Mumbai	92.00%

INTERNSHIP

AASAANJOBS PVT LTD   JUN 2015-JUL 2015

END-TO-END TESTING FRAMEWORK
- Designed and implemented a complete end-to-end testing framework using Selenium for www.aasaanjobs.com.
- Deployed the framework for continuous integration testing across all its products to its stack.
- Eliminated the time taken by the developer team for carrying out manual regression tests, allowing the team to roll out nightly releases as opposed to the existing bi-weekly release schedule.

PROJECTS

EKLAVYA2 (UNDER AUTONOMOUS GROUND VEHICLE RESEARCH GROUP)   AUG 2013-MAY 2014

- Developed software architecture in Robotic Operating System (ROS) and achieved asynchronous data exchange.
- Designed and implemented a fast-response motion planner using A* graph search algorithm in C++ for quick decision making, improving the robot response times from 30 FPS to 100+ FPS.

VECTORNAV VN-200 (UNDER AUTONOMOUS GROUND VEHICLE RESEARCH GROUP)   NOV 2014-FEB 2015

- Open-sourced a generic C++ ROS catkin library to achieve data communication with a VectorNav VN-200 INS.
- Applied statistical methods to reduce short-term accelerometer errors and long term IMU deviations.

GRID FOLLOWER WORKSHOP (UNDER TECHNOLOGY ROBOTIX SOCIETY)   DEC 2014

- Mentored a week long IEEE certified workshop on embedded robotics during December, 2014.
- The primary focus was on evaluating its performance against different graph algorithms for traversing a grid.

DJANGOCMS-WOW   MAY 2015

- The first community submitted add-on at DjangoCMS add-on repository, also featured in the DjangoDaily blog.
- Open-sourced the add-on on PyPI which consistently witnesses 100+ downloads/week.

OPEN SOURCE CONTRIBUTOR   PRESENT

- Contributions to aMY(under Software Carpentry), DjangoCMS-Cascade and wordpress2zinna Django projects.

PROGRAMMING SKILLS AND SOFTWARE PACKAGES

Proficient	Python, Django, Git, Robot Operating System (ROS), C, Atmel Studio
Dabbled	C++, Latex, REST
Platforms	Linux (primary), Windows

SCHOLASTIC ACHIEVEMENTS

- Secured All Indian Rank of 1093 in JEE-Advanced, 2013 out of 1.5 lakh candidates.
- Secured an All India rank of 28 in the Unified Cyber Olympiad, 2008.
- Secured national top 1% in National Standard Examination in Physics (NSEP 2012-13), conducted by Indian Association of Physics Teachers, out of 40,721 candidates.
- Secured Maharashtra state top 1% in National Standard Examination in Chemistry (NSEC 2012), conducted by the Association of Chemistry Teachers.
- Awarded the all-round best student award by the Ryan International School Goregaon in the year 2011.
- Winner at the Biodiversity Written Quiz Contest organized by Nehru Science Centre, Mumbai during the International Year of Biodiversity Celebration, 2010 across all schools in Mumbai.

POSITIONS OF RESPONSIBILITY

TECHNOLOGY ROBOTIX SOCIETY   FEB 2014-PRESENT

TECHNICAL HEAD
- Led a team of 30 robotics enthusiasts in designing Robotix 2015, India's biggest college robotics fest. The event witnessed over 2000 footfalls.
- Responsible for the design, management and deployment of www.robotix.in.
- Conceptualized and designed the event Sudocode, the online coding competition of Robotix. The event witnessed over 100+ submissions from colleges across India. Designed and deployed an online code judge for the event.

EXTRA-CURRICULAR ACTIVITIES

- Awarded the best camper at Inter-School Social Service Camp, Aurangabad in the year 2011.
- Played as a defender for my school's football team.